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96 157.4 99.0 580 3 BP257141 BP257141
97 157.4 99.0 580 3 BP257154 BP257154
98 157.4 99.0 580 3 BP257167 BP257167
99 157.4 99.0 580 3 BP257171 BP257171
100 157.4 99.0 580 3 BP257191 BP257191

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ALIGNMENTS

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RESULT 1
LOCUS DQ046231
DEFINITION Homo sapiens PLN gene, VIRTUAL TRANSCRIPT, partial sequence,
ACCESSION DQ046231
VERSION DQ046231.1 GI:66897446
KEYWORDS GSS.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
Homnidae; Homo.
REFERENCE
AUTHORS Nielsen,R., Bustamante,C., Clark,A.G., Glanowski,S., Sackton,T.B.,
White,T.J., Shinsky,J.J., Adams,M.D. and Cargill,M.
TITLE A Scan for Positively Selected Genes in the Genomes of Humans and
Chimpanzees
JOURNAL (et) Plos Biol. 3 (6), E170 (2005)
PUBMED 15869325
AUTHORS
JOURNAL
PUBMED
REFERENCE
AUTHORS
TITLE
JOURNAL
PUBMED
COMMENT
FEATURES
source
1..159
/organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"
/chromosome="6"
<1..>159
/gene="PLN"
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ORIGIN
Query Match 99.0%; Score 157.4; DB 11; Length 159;
Best Local Similarity 99.4%; Pred. No. 2e-35;
Matches 158; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1 ATGAGAAAGTCCATATCTCACTGCTCACTAATAAGAGCTCAACATTGAATG 60
DB 1 ATGAGAAAGTCCATATCTCACTGCTCACTAATAAGAGCTCAACATTGAATG 60
QY 61 CCTCAACAAGCAGCTCAAAAGCTAGAGATTTATTAATTTCTGTCATCTGAATA 120
DB 61 CCTCAACAAGCAGCTCAAAAGCTAGAGATTTATTAATTTCTGTCATCTGAATA 120
QY 121 TGTCTCTTGCTGATCTGATCAATCGATGCTTCTCTGA 159
DB 121 TGTCTCTTGCTGATCTGATCAATCGATGCTTCTCTGA 159

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RESULT 2
LOCUS C05636
DEFINITION C05636 Human heart cDNA (Ynakamura) Homo sapiens cDNA clone
376 bp mRNA linear EST 30-JUL-1996

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```

3NHCS059, mRNA sequence.
C05636
C05636.1 GI:1468887
EST.
KEYWORDS
SOURCE
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
Homnidae; Homo.
REFERENCE
AUTHORS Tanaka,T., Ogiwara,A., Uchiyama,I., Takagi,T., Yazaki,Y. and
Nakamura,Y.
TITLE Construction of a normalized directionally cloned cDNA library from
adult heart and analysis of 3040 clones by partial sequencing
JOURNAL Genomics 35 (1), 231-235 (1996)
PUBMED 8661126
COMMENT
CONTACT: Yusuke Nakamura
INSTITUTE: Institute of Medical Science
UNIVERSITY: University of Tokyo
TEL: 4-6-1, Shirokanedai, Minato-ku, Tokyo 108, Japan
TEL: 81-3-5449-5372
FAX: 81-3-5449-5433
EMAIL: yusuke@ims.u-tokyo.ac.jp.

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FEATURES

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source
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/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="3NHCS059"
/dev_stage="adult"
/clone_lib="Human heart cDNA (Ynakamura)"
/note="Organ: heart; normalized directionally cloned cDNA
from adult heart"
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Query Match 99.0%; Score 157.4; DB 5; Length 376;
Best Local Similarity 99.4%; Pred. No. 2.3e-35;
Matches 158; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1 ATGAGAAAGTCCATATCTCACTGCTCACTAATAAGAGCTCAACATTGAATG 60
DB 182 ATGAGAAAGTCCATATCTCACTGCTCACTAATAAGAGCTCAACATTGAATG 241
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DB 242 CCTCAACAAGCAGCTCAAAAGCTAGAGATTTATTAATTTCTGTCATCTGAATA 301
QY 121 TGTCTCTTGCTGATCTGATCAATCGATGCTTCTCTGA 159
DB 302 TGTCTCTTGCTGATCTGATCAATCGATGCTTCTCTGA 340

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RESULT 3
LOCUS AL599452
DEFINITION DKEZPj33N0529.1 313 (synonym: h1cc2) Homo sapiens cDNA clone
AL599452
VERSION AL599452.1 GI:15162740
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
Homnidae; Homo.
REFERENCE
AUTHORS Bloeker,H., Boeher,M., Brandt,P., Mewes,W., Weil,B. and
Wiemann,S.
TITLE EST (Bioecker,H., Boeher,M., Brandt,P., Mewes,H.W., Weil,B. and
Wiemann,S.)
JOURNAL Unpublished (1999)
COMMENT
MIPS

```

Ingolstaedter Landstr.1, D-85764 Neuherberg, Germany
This is the 5' sequence of the clone insert
Clone from S. Wiemann, Molecular Genome Analysis, German Cancer
Research Center (DKFZ); Email s.wiemann@dkfz-heidelberg.de;
Braunschweig/Germany) within the CDNA sequencing consortium of the
German Genome Project.
No sl sequence available.

This clone (DKFP313N0529) is available at the RZPD in Berlin.
Please contact the RZPD, Ressourcenzentrum, Heubnerweg 6, 14059
Berlin-Charlottenburg, GERMANY; Email: clone@rzpd.de.

FEATURES

source

Location/Qualifiers
1..383
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="DKFP313N0529"
/dev_stage="adult"
/lab_host="DH10B"
/clone_lib="313 (synonym: h1cc2)"
/note="Vector: pTriplex2; Site_1: SfiIA; Site_2: SfiIB;
CDNA-collection"

ORIGIN

Query Match 99.0%; Score 157.4; DB 1; Length 383;
Best Local Similarity 99.4%; Pred. No. 2.3e-35;
Matches 158; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 ATGAGAAAGTCCATACCTGCTGCTGCTATAGAGAGCCTCAACATTGAATG 60
DB 143 ATGAGAAAGTCCATACCTGCTGCTGCTATAGAGAGCCTCAACATTGAATG 202
QY 61 CCTCAACAGACGCTCAAAAGCTACAGAACTATTATCAATTTCTGCTCATCGAATA 120
DB 203 CCTCAACAGACGCTCAAAAGCTACAGAACTATTATCAATTTCTGCTCATCTTATA 262
QY 121 TGTCTCTGCTGATCTGATCATGCTGATGCTGCTCTCTGA 159
DB 263 TGTCTCTGCTGATCTGATCATGCTGATGCTGCTCTCTGA 301

RESULT 4 408 bp mRNA linear EST 04-SEP-2003
AL600669
LOCUS DKFP31302134 r1 313 (synonym: h1cc2) Homo sapiens cDNA clone
DEFINITION DKFP31302134 5', mRNA sequence.
ACCESSION AL600669
VERSION AL600669.1 GI:15164175
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
Hominidae; Homo.

1 (bases 1 to 408)
Ansoerje,W., Winkler,U., Mewes,W., Weil,B. and Wiemann,S.
EST (Ansoerje,W., Winkler,U., Mewes,H.W., Weil,B. and Wiemann,S.)
Unpublished (1999)
Contact: MIPS
MIPS

Ingolstaedter Landstr.1, D-85764 Neuherberg, Germany
This is the 5' sequence of the clone insert
Clone from S. Wiemann, Molecular Genome Analysis, German Cancer
Research Center (DKFZ); Email s.wiemann@dkfz-heidelberg.de;
Heidelberg/Germany) within the CDNA sequencing consortium of the
German Genome Project.
No sl sequence available.

This clone (DKFP31302134) is available at the RZPD in Berlin.
Please contact the RZPD, Ressourcenzentrum, Heubnerweg 6, 14059
Berlin-Charlottenburg, GERMANY; Email: clone@rzpd.de.

FEATURES

source

Location/Qualifiers
1..408

/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="DKFP31302134"
/dev_stage="adult"
/lab_host="DH10B"
/clone_lib="313 (synonym: h1cc2)"
/note="Vector: pTriplex2; Site_1: SfiIA; Site_2: SfiIB;
CDNA-collection"

ORIGIN

Query Match 99.0%; Score 157.4; DB 1; Length 408;
Best Local Similarity 99.4%; Pred. No. 2.3e-35;
Matches 158; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 ATGAGAAAGTCCATACCTGCTGCTGCTATAGAGAGCCTCAACATTGAATG 60
DB 142 ATGAGAAAGTCCATACCTGCTGCTGCTATAGAGAGCCTCAACATTGAATG 201
QY 61 CCTCAACAGACGCTCAAAAGCTACAGAACTATTATCAATTTCTGCTCATCGAATA 120
DB 202 CCTCAACAGACGCTCAAAAGCTACAGAACTATTATCAATTTCTGCTCATCTTATA 261
QY 121 TGTCTCTGCTGATCTGATCATGCTGATGCTGCTCTCTGA 159
DB 262 TGTCTCTGCTGATCTGATCATGCTGATGCTGCTCTCTGA 300

RESULT 5 412 bp mRNA linear EST 04-SEP-2003
AL601169
LOCUS DKFP313C1140 r1 313 (synonym: h1cc2) Homo sapiens cDNA clone
DEFINITION DKFP313C1140 5', mRNA sequence.
ACCESSION AL601169
VERSION AL601169.1 GI:15164675
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
Hominidae; Homo.
1 (bases 1 to 412)
Bloeker,H., Boecker,M., Brandt,P., Mewes,W., Weil,B. and
Wiemann,S.
EST (Bloeker,H., Boecker,M., Brandt,P., Mewes,H.W., Weil,B. and
Wiemann,S.)
Unpublished (1999)
Contact: MIPS
MIPS

Ingolstaedter Landstr.1, D-85764 Neuherberg, Germany
This is the 5' sequence of the clone insert
Clone from S. Wiemann, Molecular Genome Analysis, German Cancer
Research Center (DKFZ); Email s.wiemann@dkfz-heidelberg.de;
Braunschweig/Germany) within the CDNA sequencing consortium of the
German Genome Project.
No sl sequence available.

This clone (DKFP313C1140) is available at the RZPD in Berlin.
Please contact the RZPD, Ressourcenzentrum, Heubnerweg 6, 14059
Berlin-Charlottenburg, GERMANY; Email: clone@rzpd.de.

FEATURES

source

Location/Qualifiers
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/db_xref="taxon:9606"
/clone="DKFP313C1140"
/dev_stage="adult"
/lab_host="DH10B"
/clone_lib="313 (synonym: h1cc2)"
/note="Vector: pTriplex2; Site_1: SfiIA; Site_2: SfiIB;
CDNA-collection"

ORIGIN

Query Match 99.0%; Score 157.4; DB 1; Length 412;
 Best Local Similarity 99.4%; Pred. No. 2.3e-35;
 Matches 158; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 ATGAGAAAGTCCAAATACCTGCTGCTGCTATTAAGAGCCCTCAACCATTTGAATG 60
 DB 126 ATGAGAAAGTCCAAATACCTGCTGCTGCTATTAAGAGCCCTCAACCATTTGAATG 185

QY 61 CCTCAACAAGCAGCTCAAAAGCTACAGATCTATTATTAATTTCTGCTCATCTGAATA 120
 DB 186 CCTCAACAAGCAGCTCAAAAGCTACAGATCTATTATTAATTTCTGCTCATCTTAATA 245

QY 121 TGTCTCTGCTGATCTGATCATCGTGATGCTTCTCTGA 159
 DB 246 TGTCTCTGCTGATCTGATCATCGTGATGCTTCTCTGA 284

RESULT 6
 C04012 412 bp mRNA linear EST 30-JUL-1996
 LOCUS C04012 Human heart cDNA (Ynakamura) Homo sapiens cDNA clone
 DEFINITION 3NHG2551, mRNA sequence.
 ACCESSION C04012
 VERSION C04012.1 GI:1467263
 KEYWORDS EST.
 SOURCE Homo sapiens (human)
 ORGANISM Homo sapiens

REFERENCE
 AUTHORS Tanaka,T., Ogiwara,A., Uchiyama,I., Takagi,T., Yazaki,Y. and Nakamura,Y.
 TITLE Construction of a normalized directionally cloned cDNA library from adult heart and analysis of 3040 clones by partial sequencing
 JOURNAL Genomics 35 (1), 231-235 (1996)
 COMMENT 8661126
 Contact: Yusuke Nakamura
 Institute of Medical Science
 University of Tokyo
 4-6-1, Shirokanedai, Minato-ku, Tokyo 108, Japan
 Tel: 81-3-5449-5372
 Fax: 81-3-5449-5433
 Email: yusuke@ims.u-tokyo.ac.jp.

FEATURES
 source
 1..412
 /organism="Homo sapiens"
 /mol_type="mRNA"
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 /clone="3NHG2551"
 /dev_stage="adult"
 /clone_lib="Human heart cDNA (Ynakamura)"
 /note="Organ: heart; normalized directionally cloned cDNA from adult heart"

ORIGIN

Query Match 99.0%; Score 157.4; DB 5; Length 412;
 Best Local Similarity 99.4%; Pred. No. 2.3e-35;
 Matches 158; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 ATGAGAAAGTCCAAATACCTGCTGCTGCTATTAAGAGCCCTCAACCATTTGAATG 60
 DB 184 ATGAGAAAGTCCAAATACCTGCTGCTGCTATTAAGAGCCCTCAACCATTTGAATG 243

QY 61 CCTCAACAAGCAGCTCAAAAGCTACAGATCTATTATTAATTTCTGCTCATCTGAATA 120
 DB 244 CCTCAACAAGCAGCTCAAAAGCTACAGATCTATTATTAATTTCTGCTCATCTTAATA 303

QY 121 TGTCTCTGCTGATCTGATCATCGTGATGCTTCTCTGA 159
 DB 304 TGTCTCTGCTGATCTGATCATCGTGATGCTTCTCTGA 342

RESULT 7
 AJ710051 426 bp mRNA linear EST 30-JUN-2004
 LOCUS AJ710051 Homo sapiens cDNA clone CMPD06381, mRNA sequence.
 DEFINITION AJ710051 CPM01 Homo sapiens cDNA clone CPM06381, mRNA sequence.
 ACCESSION AJ710051
 VERSION AJ710051.1 GI:49504346
 KEYWORDS EST.
 SOURCE Homo sapiens (human)
 ORGANISM Homo sapiens

REFERENCE
 AUTHORS Millino,C.
 TITLE Expression profiling of human hypertrophic cardiomyopathy progressed to dilated cardiomyopathy by DNA microarray analysis
 JOURNAL Unpublished (2004)
 COMMENT Contact: Millino C
 Biology and CHIBI
 University of Padova
 Via U. Bassi, 58/B, 35131, ITALY.
 Location/Qualifiers

FEATURES
 source
 1..426
 /organism="Homo sapiens"
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 /clone="CMPD06381"
 /tissue_type="heart"
 /clone_lib="CMPD01"
 /note="caucasian"

ORIGIN

Query Match 99.0%; Score 157.4; DB 1; Length 426;
 Best Local Similarity 99.4%; Pred. No. 2.4e-35;
 Matches 158; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 ATGAGAAAGTCCAAATACCTGCTGCTGCTATTAAGAGCCCTCAACCATTTGAATG 60
 DB 187 ATGAGAAAGTCCAAATACCTGCTGCTGCTATTAAGAGCCCTCAACCATTTGAATG 246

QY 61 CCTCAACAAGCAGCTCAAAAGCTACAGATCTATTATTAATTTCTGCTCATCTGAATA 120
 DB 247 CCTCAACAAGCAGCTCAAAAGCTACAGATCTATTATTAATTTCTGCTCATCTTAATA 306

QY 121 TGTCTCTGCTGATCTGATCATCGTGATGCTTCTCTGA 159
 DB 307 TGTCTCTGCTGATCTGATCATCGTGATGCTTCTCTGA 345

RESULT 8
 CN411469 426 bp mRNA linear EST 16-MAY-2004
 LOCUS CN411469 17000600022330 GRN_PRENEMO Homo sapiens cDNA 5', mRNA sequence.
 DEFINITION CN411469
 ACCESSION CN411469
 VERSION CN411469.1 GI:47399063
 KEYWORDS EST.

SOURCE Homo sapiens (human)
 ORGANISM Homo sapiens

REFERENCE
 AUTHORS Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Homiidae; Homo.
 1 (bases 1 to 426)
 Brandenberger,F., Wei,H., Zhang,S., Lei,S., Murage,J., Fisk,G.J., Li,Y., Xu,C., Fang,R., Guejler,K., Rao,M.S., Mandalam,R., Lebkowski,J. and Stanton,L.W.

Transcriptome characterization elucidates signaling networks that control human ES cell growth and differentiation
 Nat. Biotechnol. 22 (6), 707-716 (2004)

JOURNAL 15146197
 COMMENT Contact: Brandenberger R
 Regenerative Medicine
 Geron Corporation
 230 Constitution Drive, Menlo Park, CA 94025, USA

Tel: 650 473 8658
Fax: 650 473 7760
Email: rbrandenberger@geron.com
Insert Length: 426 Std Error: 0.00.
Location/Qualifiers

FEATURES

Source

1..426

/organism="Homo sapiens"

/mol_type="mRNA"

/db_xref="taxon:9606"

/tissue_type="Embryonic stem cell, retinoic acid and
mitogen-treated hES cell line H7"

/clone_lib="GRN PRENEB"

/note="Oligo at primed, full-length enriched cDNA library
from hES cell line H7 (p29) maintained in feeder-free
conditions. Embryoid bodies were generated in the presence
of all-trans retinoic and mitogens."

ORIGIN

Query Match

99.0%; Score 157.4; DB 7; Length 426;

Best Local Similarity 99.4%; Pred. No. 2.4e-35;

Matches 158; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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1 ATGAGAAAGTCGAATACCTCACTCGCTCAGCTATAGAGAGCCTCAACATTGAATG 60

Qy

107 ATGAGAAAGTCGAATACCTCACTCGCTCAGCTATAGAGAGCCTCAACATTGAATG 166

Db

61 CCTCAACAGCAGCGTCAAAAGCTACAGAAATCTATTATCAATTTCTGCTCATCTGAATA 120

Qy

167 CCTCAACAGCAGCGTCAAAAGCTACAGAAATCTATTATCAATTTCTGCTCATCTGAATA 226

Db

121 TGTCTCTTGCTGATCTGTATCATCGTGAATGCTTCTCTGA 159

Qy

227 TGTCTCTTGCTGATCTGTATCATCGTGAATGCTTCTCTGA 265

Db

227 TGTCTCTTGCTGATCTGTATCATCGTGAATGCTTCTCTGA 265

RESULT 9

AL601173

LOCUS

DKFZP313C0340.r1 313 (synonym: h1cc2) Homo sapiens cDNA clone

DEFINITION

DKFZP313C0340 5', mRNA sequence.

ACCESSION

AL601173

VERSION

KEYWORDS

SOURCE

ORGANISM

Homo sapiens (human)

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;

Hominidae; Homo.

1 (bases 1 to 431)

Bloecher, H., Boecher, M., Brandt, P., Mewes, W., Weil, B. and

Wiemann, S.

EST (Bloecher, H., Boecher, M., Brandt, P., Mewes, H.W., Weil, B. and

Wiemann, S.)

Unpublished (1999)

Contact: MIPS

MIPS

Ingolstaedter Landstr.1, D-85764 Neuherberg, Germany

This is the 5' sequence of the clone insert

Clone from S. Wiemann, Molecular Genome Analysis, German Cancer

Research Center (DKFZ); Email s.wiemann@dkfz-heidelberg.de;

Sequenced by GBF (National Research Centre for Biotechnology Ltd.,

Braunschweig/Germany) within the cDNA sequencing consortium of the

German Genome Project.

No sl sequence available.

This clone (DKFZP313C0340) is available at the RZPD in Berlin.

Please contact the RZPD: Ressourcenzentrum, Heubnerweg 6, 14059

Berlin-Charlottenburg, GERMANY; Email: clone@rzpd.de.

Location/Qualifiers

1..431

/organism="Homo sapiens"

/mol_type="mRNA"

/db_xref="taxon:9606"

/clone="DKFZP313C0340"

FEATURES

Source

1..431

/organism="Homo sapiens"

/mol_type="mRNA"

/db_xref="taxon:9606"

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/dev stage="adult"
/lab_host="DH10B"
/clone_lib="313 (synonym: h1cc2)"
/note="Vector: pTriplex2; Site_1: SfiIA; Site_2: SfiIB;
cDNA-collection"

ORIGIN

Query Match

99.0%; Score 157.4; DB 1; Length 431;

Best Local Similarity 99.4%; Pred. No. 2.4e-35;

Matches 158; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy

1 ATGAGAAAGTCGAATACCTCACTCGCTCAGCTATAGAGAGCCTCAACATTGAATG 60

Db

143 ATGAGAAAGTCGAATACCTCACTCGCTCAGCTATAGAGAGCCTCAACATTGAATG 202

Qy

61 CCTCAACAGCAGCGTCAAAAGCTACAGAAATCTATTATCAATTTCTGCTCATCTGAATA 120

Db

203 CCTCAACAGCAGCGTCAAAAGCTACAGAAATCTATTATCAATTTCTGCTCATCTGAATA 262

Qy

121 TGTCTCTTGCTGATCTGTATCATCGTGAATGCTTCTCTGA 159

Db

263 TGTCTCTTGCTGATCTGTATCATCGTGAATGCTTCTCTGA 301

RESULT 10

AL600088

LOCUS

DKFZP313C1332.r1 313 (synonym: h1cc2) Homo sapiens cDNA clone

DEFINITION

DKFZP313C1332 5', mRNA sequence.

ACCESSION

AL600088

VERSION

KEYWORDS

SOURCE

ORGANISM

Homo sapiens (human)

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;

Hominidae; Homo.

1 (bases 1 to 433)

Bloecher, H., Boecher, M., Brandt, P., Mewes, W., Weil, B. and

Wiemann, S.

EST (Bloecher, H., Boecher, M., Brandt, P., Mewes, H.W., Weil, B. and

Wiemann, S.)

Unpublished (1999)

Contact: MIPS

MIPS

Ingolstaedter Landstr.1, D-85764 Neuherberg, Germany

This is the 5' sequence of the clone insert

Clone from S. Wiemann, Molecular Genome Analysis, German Cancer

Research Center (DKFZ); Email s.wiemann@dkfz-heidelberg.de;

Sequenced by GBF (National Research Centre for Biotechnology Ltd.,

Braunschweig/Germany) within the cDNA sequencing consortium of the

German Genome Project.

No sl sequence available.

This clone (DKFZP313C1332) is available at the RZPD in Berlin.

Please contact the RZPD: Ressourcenzentrum, Heubnerweg 6, 14059

Berlin-Charlottenburg, GERMANY; Email: clone@rzpd.de.

Location/Qualifiers

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/organism="Homo sapiens"

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/clone="DKFZP313C1332"

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/note="Vector: pTriplex2; Site_1: SfiIA; Site_2: SfiIB;
cDNA-collection"

ORIGIN

Query Match

99.0%; Score 157.4; DB 1; Length 433;

Best Local Similarity 99.4%; Pred. No. 2.4e-35;

Matches 158; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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QY      61 CCTCAACAAGCAGTCAAAAAGCTACAGAAATCTATTATCAATTTCTGCTCATCTGAATA 120
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DB      201 CCTCAACAAGCAGTCAAAAAGCTACAGAAATCTATTATCAATTTCTGCTCATCTTAATA 260
      |||
QY      121 TGTCTTGTGCTGATCTGTATCATCGTGATGCTTCTCTGA 159
      |||
DB      261 TGTCTTGTGCTGATCTGTATCATCGTGATGCTTCTCTGA 299
      |||

RESULT 11
LOCUS   C02888                        438 bp      mRNA      linear      EST 30-JUL-1996
DEFINITION C02888 Human heart cDNA (Ynakamura) Homo sapiens cDNA clone
ACCESSION C02888
VERSION   C02888
KEYWORDS  EST.
SOURCE    Homo sapiens (human)
ORGANISM  Homo sapiens
           Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
           Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
           Homiidae; Homo.
REFERENCE 1 (bases 1 to 438)
           Tanaka,T., Ogiwara,A., Uchiyama,I., Takagi,T., Yazaki,Y. and
           Nakamura,Y.
           Construction of a normalized directionally cloned cDNA library from
           adult heart and analysis of 3040 clones by partial sequencing
           Genomics 35 (1), 231-235 (1996)
COMMENT   8661126
           Contact: Yusuke Nakamura
           Institute of Medical Science
           University of Tokyo
           4-6-1, Shirokanedai, Minato-ku, Tokyo 108, Japan
           Tel: 81-3-5449-5372
           Fax: 81-3-5449-5433
           Email: yusuke@ims.u-tokyo.ac.jp.
FEATURES
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                        /mol_type="mRNA"
                        /db_xref="taxon:9606"
                        /clone="3NHC0465"
                        /dev_stage="adult"
                        /clone_1ib="Human heart cDNA (Ynakamura)"
                        /note="Organ: heart; normalised directionally cloned cDNA
                        from adult heart"
ORIGIN
Query Match      99.0%; Score 157.4; DB 5; Length 438;
Best Local Similarity 99.4%; Pred. No. 2.4e-35;
Matches 158; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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3' similar to gb:M63603 CARDIAC PHOSPHOLAMBAN (HUMAN);, mRNA
sequence.
A1190578
A1190578.1 GI:3741787
VERSION
KEYWORDS  EST.
SOURCE    Homo sapiens (human)
ORGANISM  Homo sapiens
           Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
           Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
           Homiidae; Homo.
REFERENCE 1 (bases 1 to 443)
           NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.
           National Cancer Institute, Cancer Genome Anatomy Project (CGAP),
           Tumor Gene Index
           Unpublished (:997)
           Contact: Robert Strausberg, Ph.D.
           Email: cgapbs-r@mail.nih.gov
           cDNA Library Preparation: M. Bento Soares, Ph.D., M. Fatima
           Bonaldo, Ph.D.
           cDNA Library Arrayed by: Greg Lennon, Ph.D.
           DNA Sequencing by: Washington University Genome Sequencing Center
           Clone distribution: NCI-CGAP clone distribution information can be
           found through the I.M.A.G.E. Consortium/LNL at:
           www.bio.lnl.gov/bbrp/image/image.html
           Insert length: 654 Std Error: 0.00
           Seq primer: -40bp from Gibco.
FEATURES
     source             1..443
                        /organism="Homo sapiens"
                        /mol_type="mRNA"
                        /db_xref="taxon:9606"
                        /clone="IMAGE:1733892"
                        /sex="male"
                        /lab_host="DH10B"
                        /clone_1ib="Soares testis NHT"
                        /note="Vector: pT7T3D-Pac (Pharmacia) with a modified
                        polylinker; Site 1: Not I; Site 2: Eco RI; 1st strand cDNA
                        was prepared from mRNA obtained from Clontech
                        Laboratories, Inc., and primed with a Not I - oligo(dT)
                        primer [5'
                        TGTATCCATCTGGAAGTGGAGCGCGCCCAATTTTTTTTTTTT 3'].
                        Double-stranded cDNA was ligated to Eco RI adaptors
                        (Pharmacia), digested with Not I and cloned into the Not I
                        and Eco RI sites of the modified pT7T3 vector. Library
                        went through one round of normalization to Cot5, and was
                        constructed by Bento Soares and W. Fatima Bonaldo."
ORIGIN
Query Match      99.0%; Score 157.4; DB 1; Length 443;
Best Local Similarity 99.4%; Pred. No. 2.4e-35;
Matches 158; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY      1 ATGAGAAAGTCCATACCTCACTCGCTCAGTATATAGAGAGCCTCAACCATTTGAATG 60
      |||
DB      421 ATGAGAAAGTCCATACCTCACTCGCTCAGTATATAGAGAGCCTCAACCATTTGAATG 362
      |||
QY      61 CCTCAACAAGCAGTCAAAAAGCTACAGAAATCTATTATCAATTTCTGCTCATCTGAATA 120
      |||
DB      361 CCTCAACAAGCAGTCAAAAAGCTACAGAAATCTATTATCAATTTCTGCTCATCTTAATA 302
      |||
QY      121 TGTCTTGTGCTGATCTGTATCATCGTGATGCTTCTCTGA 159
      |||
DB      301 TGTCTTGTGCTGATCTGTATCATCGTGATGCTTCTCTGA 263
      |||

RESULT 13
LOCUS   C03252                        448 bp      mRNA      linear      EST 30-JUL-1996
DEFINITION C03252 Human heart cDNA (Ynakamura) Homo sapiens cDNA clone
ACCESSION C03252
VERSION   C03252
KEYWORDS  EST.

```

SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
 Homiidae; Homo.
REFERENCE 1 (bases 1 to 448)
 Tanaka,T., Ogiwara,A., Uchiyama,I., Takagi,T., Yazaki,Y. and
 Nakamura,Y.
TITLE Construction of a normalized directionally cloned cDNA library from
 adult heart and analysis of 3040 clones by partial sequencing
JOURNAL Genomics 35 (1), 231-235 (1996)
PUBMED 8661126
COMMENT Contact: Yusuke Nakamura
 Institute of Medical Science
 University of Tokyo
 4-6-1, Shirokanedai, Minato-ku, Tokyo 108, Japan
 Tel: 81-3-5449-5372
 Fax: 81-3-5449-5433
 Email: yusuke@ims.u-tokyo.ac.jp.
FEATURES
 source
 1..448
 location/Qualifiers
 /organism="Homo sapiens"
 /mol_type="mRNA"
 /db_xref="taxon:9606"
 /clone="3NH01144"
 /dev_stage="adult"
 /clone_lib="Human heart cDNA (Ynakamura)"
 /note="Organ: heart; normalized directionally cloned cDNA
 from adult heart"

ORIGIN

Query Match 99.0%; Score 157.4; DB 5; Length 448;
 Best Local Similarity 99.4%; Pred. No. 2,4e-35;
 Matches 158; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 ATGGAAGAAGTCGAATACCTCACTGCTCAGCTATAGAGAAGCCTCAACCATTTGAATG 60
 |||
DB 184 ATGGAAGAAGTCGAATACCTCACTGCTCAGCTATAGAGAAGCCTCAACCATTTGAATG 243
 |||
QY 61 CCTCAACAAGCAGCGTCAAAAGCTACAGATCTATTATCAATTTCTGCTCATCTGAATA 120
 |||
DB 244 CCTCAACAAGCAGCGTCAAAAGCTACAGATCTATTATCAATTTCTGCTCATCTTAATA 303
 |||
QY 121 TGTCTCTGCTGATCTGTATCATCTGATGCTTCTCTGA 159
 |||
DB 304 TGTCTCTGCTGATCTGTATCATCTGATGCTTCTCTGA 342
 |||

RESULT 14

LOCUS C04050 451 bp mRNA linear EST 30-JUL-1996
DEFINITION C04050 Human heart cDNA (Ynakamura) Homo sapiens cDNA clone
 3NH02620, mRNA sequence.
ACCESSION C04050
VERSION C04050.1 GI:1467301
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
 Homiidae; Homo.
REFERENCE 1 (bases 1 to 451)
 Tanaka,T., Ogiwara,A., Uchiyama,I., Takagi,T., Yazaki,Y. and
 Nakamura,Y.
TITLE Construction of a normalized directionally cloned cDNA library from
 adult heart and analysis of 3040 clones by partial sequencing
JOURNAL Genomics 35 (1), 231-235 (1996)
PUBMED 8661126
COMMENT Contact: Yusuke Nakamura
 Institute of Medical Science
 University of Tokyo
 4-6-1, Shirokanedai, Minato-ku, Tokyo 108, Japan
 Tel: 81-3-5449-5372

FEATURES
 source
 1..451
 location/Qualifiers
 /organism="Homo sapiens"
 /mol_type="mRNA"
 /db_xref="taxon:9606"
 /clone="3NH02620"
 /dev_stage="adult"
 /clone_lib="Human heart cDNA (Ynakamura)"
 /note="Organ: heart; normalized directionally cloned cDNA
 from adult heart"

ORIGIN

Query Match 99.0%; Score 157.4; DB 5; Length 451;
 Best Local Similarity 99.4%; Pred. No. 2,4e-35;
 Matches 158; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 ATGGAAGAAGTCGAATACCTCACTGCTCAGCTATAGAGAAGCCTCAACCATTTGAATG 60
 |||
DB 161 ATGGAAGAAGTCGAATACCTCACTGCTCAGCTATAGAGAAGCCTCAACCATTTGAATG 220
 |||
QY 61 CCTCAACAAGCAGCGTCAAAAGCTACAGATCTATTATCAATTTCTGCTCATCTGAATA 120
 |||
DB 221 CCTCAACAAGCAGCGTCAAAAGCTACAGATCTATTATCAATTTCTGCTCATCTTAATA 280
 |||
QY 121 TGTCTCTGCTGATCTGTATCATCTGATGCTTCTCTGA 159
 |||
DB 281 TGTCTCTGCTGATCTGTATCATCTGATGCTTCTCTGA 319
 |||

RESULT 15

LOCUS AL601166 455 bp mRNA linear EST 04-SEP-2003
DEFINITION DKEP2313B0340 r1 313 (synonym: h1cc2) Homo sapiens cDNA clone
 DKEP2313B0340 5', mRNA sequence.
ACCESSION AL601166
VERSION AL601166.1 GI:15164672
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
 Homiidae; Homo.
REFERENCE 1 (bases 1 to 455)
 Bloecker,H., Boecker,M., Brandt,P., Mewes,W., Weil,B. and
 Wiemann,S.
TITLE EST (Bioecker,H., Boecker,M., Brandt,P., Mewes,W., Weil,B. and
 Wiemann,S.)
UNPUBLISHED (1999)
COMMENT Contact: MIPS
 MIPS
 Ingolstaedter Landstr.1, D-85764 Neuherberg, Germany
 This is the 5' sequence of the clone insert
 Clone from S. Wiemann, Molecular Genome Analysis, German Cancer
 Research Center (DKFZ); Email s.wiemann@dkfz-heidelberg.de;
 Braunschweig/Germany) within the cDNA sequencing consortium of the
 German Genome Project.
 No sl sequence available.
 This clone (DKFZp313B0340) is available at the RZPD in Berlin.
 Please contact the RZPD: Ressourcenzentrum, Heubnerweg 6, 14059
 Berlin-Charlottenburg, GERMANY; Email: clone@rzpd.de.
FEATURES
 source
 1..455
 location/Qualifiers
 /organism="Homo sapiens"
 /mol_type="mRNA"
 /db_xref="taxon:9606"
 /clone="DKFZp313B0340"
 /dev_stage="adult"
 /lab_host="DH10B"
 /clone_lib="313 (synonym: h1cc2)"
 /note="Vector: pTriplex; Site_1: SfiI; Site_2: SfiIB;

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ORIGIN                                cDNA-collection"
Query Match      99.0%; Score 157.4; DB 1; Length 455;
Best Local Similarity 99.4%; Pred. No. 2.4e-35;
Matches 158; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 ATGGAGAAAGTCGATACCTCACTCGCTCAGCTATTAAGAGAGCCGCAACCATTTGAATG 60
    |||
DB 142 ATGGAGAAAGTCGATACCTCACTCGCTCAGCTATTAAGAGAGCCGCAACCATTTGAATG 201
    |||

QY 61 CCTCAACAAGACGTCGCAAAAGCTACAGATCTATTATATCTTGTCTCATCTGAATA 120
    |||
DB 202 CCTCAACAAGACGTCGCAAAAGCTACAGATCTATTATATCTTGTCTCATCTGAATA 261
    |||

QY 121 TGTCTCTTGCTGATCTGTATCATCGTGATGCTTCTCTGA 159
    |||
DB 262 TGTCTCTTGCTGATCTGTATCATCGTGATGCTTCTCTGA 300
    |||

RESULT 16
AL599208      477 bp      mRNA      linear      EST 04-SEP-2003
LOCUS      DKFZp313D2225.r1 313 (synonym: hicc2) Homo sapiens cDNA clone
DEFINITION      DKFZp313D2225 5', mRNA sequence.
ACCESSION      AL599208
VERSION      AL599208.1 GI:15162496
KEYWORDS      EST.
SOURCE      Homo sapiens (human)
ORGANISM      Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
Homnidae; Homo
1 (bases 1 to 477)
Poustka,A., Wellenreuther,R., Mewes,H.W., Weil,B. and Wiemann,S.).
EST (Poustka,A., Wellenreuther,R., Mewes,H.W., Weil,B. and
Wiemann,S.)
Unpublished (1999)
JOURNAL      Contact: MIPS
COMMENT      MIPS
Ingolstaedter Landstr.1, D-85764 Neuherberg, Germany
This is the 5' sequence of the clone insert
Clone from S. Wiemann, Molecular Genome Analysis, German Cancer
Research Center (DKFZ); Email s.wiemann@dkfz-heidelberg.de;
sequenced by DKFZ (German Cancer Research Center,
Heidelberg/Germany) within the cDNA sequencing consortium of the
German Genome Project.
No sl sequence available.
This clone (DKFZp313D2225) is available at the RZPD in Berlin.
Please contact the RZPD: Ressourcenzentrum, Heubnerweg 6, 14059
Berlin-Charlottenburg, GERMANY; Email: clone@rzpd.de.
FEATURES
source
1..477
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="DKFZp313D2225"
/dev_stage="adult"
/lab_host="DH10B"
/clone_1ib="313 (synonym: hicc2)"
/note="Vector: pTriplEx2; Site_1: SfiIA; Site_2: SfiIB;
cDNA-collection"
ORIGIN
Query Match      99.0%; Score 157.4; DB 1; Length 477;
Best Local Similarity 99.4%; Pred. No. 2.4e-35;
Matches 158; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 ATGGAGAAAGTCGATACCTCACTCGCTCAGCTATTAAGAGAGCCGCAACCATTTGAATG 60
    |||
DB 201 ATGGAGAAAGTCGATACCTCACTCGCTCAGCTATTAAGAGAGCCGCAACCATTTGAATG 260
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QY 61 CCTCAACAAGACGTCGCAAAAGCTACAGATCTATTATATCTTGTCTCATCTGAATA 120
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DB 261 CCTCAACAAGACGTCGCAAAAGCTACAGATCTATTATATCTTGTCTCATCTGAATA 320
    |||

QY 121 TGTCTCTTGCTGATCTGTATCATCGTGATGCTTCTCTGA 159
    |||
DB 321 TGTCTCTTGCTGATCTGTATCATCGTGATGCTTCTCTGA 359
    |||

RESULT 17
AL600135      478 bp      mRNA      linear      EST 04-SEP-2003
LOCUS      DKFZp313F1932.r1 313 (synonym: hicc2) Homo sapiens cDNA clone
DEFINITION      DKFZp313F1932 5', mRNA sequence.
ACCESSION      AL600135
VERSION      AL600135.1 GI:15163446
KEYWORDS      EST.
SOURCE      Homo sapiens (human)
ORGANISM      Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
Homnidae; Homo
1 (bases 1 to 478)
Bloecher,H., Boecher,M., Brandt,P., Mewes,W., Weil,B. and
Wiemann,S.).
EST (Bloecher,H., Boecher,M., Brandt,P., Mewes,H.W., Weil,B. and
Wiemann,S.)
Unpublished (1999)
JOURNAL      Contact: MIPS
COMMENT      MIPS
Ingolstaedter Landstr.1, D-85764 Neuherberg, Germany
This is the 5' sequence of the clone insert
Clone from S. Wiemann, Molecular Genome Analysis, German Cancer
Research Center (DKFZ); Email s.wiemann@dkfz-heidelberg.de;
sequenced by GBF (National Research Centre for Biotechnology Ltd.,
Braunschweig/Germany) within the cDNA sequencing consortium of the
German Genome Project.
No sl sequence available.
This clone (DKFZp313F1932) is available at the RZPD in Berlin.
Please contact the RZPD: Ressourcenzentrum, Heubnerweg 6, 14059
Berlin-Charlottenburg, GERMANY; Email: clone@rzpd.de.
FEATURES
source
1..478
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="DKFZp313F1932"
/dev_stage="adult"
/lab_host="DH10B"
/clone_1ib="313 (synonym: hicc2)"
/note="Vector: pTriplEx2; Site_1: SfiIA; Site_2: SfiIB;
cDNA-collection"
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Query Match      99.0%; Score 157.4; DB 1; Length 478;
Best Local Similarity 99.4%; Pred. No. 2.4e-35;
Matches 158; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 ATGGAGAAAGTCGATACCTCACTCGCTCAGCTATTAAGAGAGCCGCAACCATTTGAATG 60
    |||
DB 142 ATGGAGAAAGTCGATACCTCACTCGCTCAGCTATTAAGAGAGCCGCAACCATTTGAATG 201
    |||

QY 61 CCTCAACAAGACGTCGCAAAAGCTACAGATCTATTATATCTTGTCTCATCTGAATA 120
    |||
DB 202 CCTCAACAAGACGTCGCAAAAGCTACAGATCTATTATATCTTGTCTCATCTGAATA 261
    |||

QY 121 TGTCTCTTGCTGATCTGTATCATCGTGATGCTTCTCTGA 159
    |||
DB 262 TGTCTCTTGCTGATCTGTATCATCGTGATGCTTCTCTGA 300
    |||

RESULT 18
AL601279      479 bp      mRNA      linear      EST 04-SEP-2003
LOCUS      AL601279
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DEFINITION DKFPZ313L1640 r1 313 (synonym: h1cc2) Homo sapiens cDNA clone
ACCESSION DKFPZ313L1640 5', mRNA sequence.
VERSION AL601279
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
Hominidae; Homo.
REFERENCE 1 (bases 1 to 479)
AUTHORS Bloecker,H., Boecker,M., Brandt,P., Mewes,W., Well,B. and
Wiemann,S.
TITLE EST (Bioecker,H., Boecker,M., Brandt,P., Mewes,H.W., Well,B. and
Wiemann,S.)
JOURNAL Unpublished (1999)
COMMENT Contact: MIPS
MIPS
Ingolstaedter landstr.1, D-85764 Neuberg, Germany
This is the 5' sequence of the clone insert
Clone from S. Wiemann, Molecular Genome Analysis, German Cancer
Research Center (DKFZ); Email s.wiemann@dkfz-heidelberg.de;
sequenced by GBF (National Research Centre for Biotechnology Ltd.,
Braunschweig/Germany) within the cDNA sequencing consortium of the
German Genome Project.
No sl sequence available.
This clone (DKFPZ313L1640) is available at the RZPD in Berlin.
Please contact the RZPD: Ressourcenzentrum, Heubnerweg 6, 14059
Berlin-Charlottenburg, GERMANY; Email: clone@rzpd.de.
Location/Qualifiers
source 1..479
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="DKFPZ313L1640"
/dev_stage="adult"
/lab_host="DH10B"
/clone_lib="313 (synonym: h1cc2)"
/note="Vector: pTriplex2; Site_1: SfIra; Site_2: SfiIB;
cDNA-collection"
ORIGIN
Query Match 99.0%; Score 157.4; DB 1; Length 479;
Best Local Similarity 99.4%; Pred. No. 2.4e-35;
Matches 158; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1 ATGAGAAAGTCATACCTCAGCTCAGCTATAGAAGAGCCTCAACCATGGAATG 60
DB 196 ATGAGAAAGTCATACCTCAGCTCAGCTATAGAAGAGCCTCAACCATGGAATG 255
QY 61 CCTCAACAGCAGCGTCAAAAGCTACAGAAATCTATTATCAATTTGTCATCTGAATA 120
DB 256 CCTCAACAGCAGCGTCAAAAGCTACAGAAATCTATTATCAATTTGTCATCTGAATA 315
QY 121 TGTCTCTTGCTGATCTGTATCATCGTGAATGCTTCTCTGA 159
DB 316 TGTCTCTTGCTGATCTGTATCATCGTGAATGCTTCTCTGA 354
RESULT 19
LOCUS AL601190 482 bp mRNA linear EST 04-SEP-2003
DEFINITION DKFPZ313D0840 r1 313 (synonym: h1cc2) Homo sapiens cDNA clone
VERSION DKFPZ313D0840 5', mRNA sequence.
AL601190
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
Hominidae; Homo.
REFERENCE 1 (bases 1 to 482)

AUTHORS Bloecker,H., Boecker,M., Brandt,P., Mewes,W., Well,B. and
Wiemann,S.
TITLE EST (Bioecker,H., Boecker,M., Brandt,P., Mewes,H.W., Well,B. and
Wiemann,S.)
JOURNAL Unpublished (1999)
COMMENT Contact: MIPS
MIPS
Ingolstaedter landstr.1, D-85764 Neuberg, Germany
This is the 5' sequence of the clone insert
Clone from S. Wiemann, Molecular Genome Analysis, German Cancer
Research Center (DKFZ); Email s.wiemann@dkfz-heidelberg.de;
sequenced by GBF (National Research Centre for Biotechnology Ltd.,
Braunschweig/Germany) within the cDNA sequencing consortium of the
German Genome Project.
No sl sequence available.
This clone (DKFPZ313D0840) is available at the RZPD in Berlin.
Please contact the RZPD: Ressourcenzentrum, Heubnerweg 6, 14059
Berlin-Charlottenburg, GERMANY; Email: clone@rzpd.de.
Location/Qualifiers
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/organism="Homo sapiens"
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/clone="DKFPZ313D0840"
/dev_stage="adult"
/lab_host="DH10B"
/clone_lib="313 (synonym: h1cc2)"
/note="Vector: pTriplex2; Site_1: SfIra; Site_2: SfiIB;
cDNA-collection"
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Best Local Similarity 99.4%; Pred. No. 2.4e-35;
Matches 158; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1 ATGAGAAAGTCATACCTCAGCTCAGCTATAGAAGAGCCTCAACCATGGAATG 60
DB 196 ATGAGAAAGTCATACCTCAGCTCAGCTATAGAAGAGCCTCAACCATGGAATG 255
QY 61 CCTCAACAGCAGCGTCAAAAGCTACAGAAATCTATTATCAATTTGTCATCTGAATA 120
DB 256 CCTCAACAGCAGCGTCAAAAGCTACAGAAATCTATTATCAATTTGTCATCTGAATA 315
QY 121 TGTCTCTTGCTGATCTGTATCATCGTGAATGCTTCTCTGA 159
DB 316 TGTCTCTTGCTGATCTGTATCATCGTGAATGCTTCTCTGA 354
RESULT 20
LOCUS AJ708798 533 bp mRNA linear EST 30-JUN-2004
DEFINITION AJ708798 CPM01 Homo sapiens cDNA clone CPM03862, mRNA sequence.
AJ708798
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
Hominidae; Homo.
REFERENCE 1 (bases 1 to 533)
AUTHORS Millino,C.
TITLE Expression profiling of human hypertrophic cardiomyopathy
progressed to dilated cardiomyopathy by DNA microarray analysis
JOURNAL Unpublished (2004)
COMMENT Contact: Millino C
Biology and CRIBI
University of Padova
Via U. Bassi, 58/B, 35131, ITALY.
1..533
/organism="Homo sapiens"
/mol_type="mRNA"

/db_xref="taxon:9606"
/clone="CMPD03862"
/tissue_type="heart"
/clone_lib="CMPD01"
/note="caucasian"

ORIGIN

Query Match 99.0%; Score 157.4; DB 1; Length 533;
Best Local Similarity 99.4%; Pred. No. 2.4e-35;
Matches 158; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 ATGGAGAAAGTCCATACCTCACTGCTCAGCTATTAAGAAGCCCAACCAATTGAATG 60
DB 168 ATGGAGAAAGTCCATACCTCACTGCTCAGCTATTAAGAAGCCCAACCAATTGAATG 227
QY 61 CCTCAACAAGCAGCTCAAAAAGCTACAGATCTATTATTCATTCTGCTCATCTGAATA 120
DB 228 CCTCAACAAGCAGCTCAAAAAGCTACAGATCTATTATTCATTCTGCTCATCTTAATA 287
QY 121 TGTCTCTTGCTGATCTGATCATCGGATGCTTCTCTGA 159
DB 268 TGTCTCTTGCTGATCTGATCATCGGATGCTTCTCTGA 326

RESULT 21

LOCUS C03682 533 bp mRNA linear EST 30-JUL-1996
DEFINITION C03682 Human heart cDNA (Ynakamura) Homo sapiens cDNA clone
3NH2016, mRNA sequence.

ACCESSION C03682
VERSION C03682.1 GI:1466933
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
Hominidae; Homo.

REFERENCE 1 (bases 1 to 533)
Tanaka,T., Ogiwara,A., Uchiyama,I., Takagi,T., Yazaki,Y. and Nakamura,Y.

TITLE Construction of a normalized directionally cloned cDNA library from adult heart and analysis of 3040 clones by partial sequencing

JOURNAL Genomics 35 (1), 231-235 (1996)
PUBMED 8661126
COMMENT Contact: Yusuke Nakamura
Institute of Medical Science
University of Tokyo
4-6-1, Shirokanedai, Minato-ku, Tokyo 108, Japan
Tel: 81-3-5449-5372
Fax: 81-3-5449-5433
Email: yusuke@ims.u-tokyo.ac.jp.

FEATURES
source
1..533
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="3NH2016"
/dev_stage="adult"
/clone_lib="Human heart cDNA (Ynakamura)"
/note="Organ: heart; normalized directionally cloned cDNA from adult heart"

ORIGIN

Query Match 99.0%; Score 157.4; DB 5; Length 533;
Best Local Similarity 99.4%; Pred. No. 2.4e-35;
Matches 158; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 ATGGAGAAAGTCCAAAGCTCACTGCTCAGCTATTAAGAAGCCCAACCAATTGAATG 60
DB 185 ATGGAGAAAGTCCAAAGCTCACTGCTCAGCTATTAAGAAGCCCAACCAATTGAATG 244
QY 61 CCTCAACAAGCAGCTCAAAAAGCTACAGATCTATTATTCATTCTGCTCATCTGAATA 120

DB 245 CCTCAACAAGCAGCTCAAAAAGCTACAGATCTATTATTCATTCTGCTCATCTTAATA 304
QY 121 TGTCTCTTGCTGATCTGATCATCGGATGCTTCTCTGA 159
DB 305 TGTCTCTTGCTGATCTGATCATCGGATGCTTCTCTGA 343

RESULT 22

LOCUS AJ709272 534 bp mRNA linear EST 30-JUN-2004
DEFINITION AJ709272 CMPD01 Homo sapiens cDNA clone CMPD04718, mRNA sequence.

ACCESSION AJ709272
VERSION AJ709272.1 GI:49503567
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
Hominidae; Homo.

REFERENCE 1 (bases 1 to 534)
Millino,C.

JOURNAL Expression profiling of human hypertrophic cardiomyopathy progressed to dilated cardiomyopathy by DNA microarray analysis
Contact: Millino C
Unpublished (2004)
Biology and CRIBI
University of Padova
Via U. Bassi, 58/B, 35131, ITALY.

FEATURES

source
1..534
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="CMPD04718"
/tissue_type="heart"
/clone_lib="CMPD01"
/note="caucasian"

ORIGIN

Query Match 99.0%; Score 157.4; DB 1; Length 534;
Best Local Similarity 99.4%; Pred. No. 2.4e-35;
Matches 158; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 ATGGAGAAAGTCCATACCTCACTGCTCAGCTATTAAGAAGCCCAACCAATTGAATG 60
DB 180 ATGGAGAAAGTCCATACCTCACTGCTCAGCTATTAAGAAGCCCAACCAATTGAATG 239
QY 61 CCTCAACAAGCAGCTCAAAAAGCTACAGATCTATTATTCATTCTGCTCATCTGAATA 120
DB 240 CCTCAACAAGCAGCTCAAAAAGCTACAGATCTATTATTCATTCTGCTCATCTTAATA 299
QY 121 TGTCTCTTGCTGATCTGATCATCGGATGCTTCTCTGA 159
DB 300 TGTCTCTTGCTGATCTGATCATCGGATGCTTCTCTGA 338

RESULT 23

LOCUS AL600427 540 bp mRNA linear EST 04-SEP-2003
DEFINITION DKFZP313J1533.p1 313 (synonym: h1cc2) Homo sapiens cDNA clone
DKFZP313J1533.5, mRNA sequence.

ACCESSION AL600427
VERSION AL600427.1 GI:15163933
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
Hominidae; Homo.

REFERENCE 1 (bases 1 to 540)
Koehler,K., Beyer,A., Mewes,W., Weil,B. and Wiemann,S.
EST (Koehler,K., Beyer,A., Mewes,H.W., Weil,B. and Wiemann,S.)
Unpublished (1999)

COMMENT

Contact: MIPS
 Infolandstr. Landstr.1, D-85764 Neuherberg, Germany
 This is the 5' sequence of the clone insert
 Clone from S. Wiemann, Molecular Genome Analysis, German Cancer
 Research Center (DKFZ); Email s.wiemann@dkfz-heidelberg.de;
 sequenced by BMFZ (Biomedical Research Center at the Charité,
 Berlin/Germany) within the cDNA sequencing consortium of the German
 Genome Project.
 No sl sequence available.
 This clone (DKFZ313J153) is available at the RZPD in Berlin.
 Please contact the RZPD: Ressourcenzentrum, Heubnerweg 6, 14059
 Berlin-Charlottenburg, GERMANY; Email: clone@rzpd.de.

FEATURES

source

1..540
 /organism="Homo sapiens"
 /mol_type="mRNA"
 /db_xref="taxon:9606"
 /clone="DKFZ313J153"
 /dev_stage="adult"
 /lab_host="DH10B"
 /clone_lib="313 (synonym: h1cc2)"
 /note="vector: pTriplex2; site_1: sf11A; site_2: sf11B;
 cDNA-collection"

ORIGIN

Query Match 99.0%; Score 157.4; DB 1; Length 540;
 Best Local Similarity 99.4%; Pred. No. 2.5e-35;
 Matches 158; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Oy 1 ATGGAGAAGTCATACCTCAGCTGCTAGCTATAGAGAGCTCAACATTGAATG 60
 Db 183 ATGGAGAAGTCATACCTCAGCTGCTAGCTATAGAGAGCTCAACATTGAATG 242
 Oy 61 CCTCAACAAGCAGCTCAAAAGCTACAGAACTATTATCAATTTCTGCTCATCGAATA 120
 Db 243 CCTCAACAAGCAGCTCAAAAGCTACAGAACTATTATCAATTTCTGCTCATCGAATA 302
 Oy 121 TGTCTCTGCTGATCTGATCATCTGATGCTTCTCTGA 159
 Db 303 TGTCTCTGCTGATCTGATCATCTGATGCTTCTCTGA 341

RESULT 24

AJ712160 541 bp mRNA linear EST 30-JUN-2004
 LOCUS AJ712160 CMPD01 Homo sapiens cDNA clone CMPD10425, mRNA sequence.
 DEFINITION AJ712160
 ACCESSION AJ712160
 VERSION AJ712160.1 GI:49506455
 KEYWORDS EST.
 SOURCE
 ORGANISM Homo sapiens (human)
 Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
 Homiidae; Homo.
 1 (bases 1 to 541)
 Millino, C.
 Expression profiling of human hypertrophic cardiomyopathy
 progressed to dilated cardiomyopathy by DNA microarray analysis
 Unpublished (2004)
 CONTACT: Millino C
 Biology and CRIBI
 University of Padova
 Via U. Baesi, 58/B, 35131, ITALY.
 Location/Qualifiers
 1..541
 /organism="Homo sapiens"
 /mol_type="mRNA"
 /db_xref="taxon:9606"
 /clone="CMPD10425"
 /tissue_type="heart"
 /clone_lib="CMPD01"
 /note="Caucasian"

REFERENCE

AUTHORS

TITLE

JOURNAL

COMMENT

FEATURES

source

1..541
 /organism="Homo sapiens"
 /mol_type="mRNA"
 /db_xref="taxon:9606"
 /clone="CMPD10425"
 /tissue_type="heart"
 /clone_lib="CMPD01"
 /note="Caucasian"

ORIGIN

Query Match 99.0%; Score 157.4; DB 1; Length 541;
 Best Local Similarity 99.4%; Pred. No. 2.5e-35;
 Matches 158; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Oy 1 ATGGAGAAGTCATACCTCAGCTGCTAGCTATAGAGAGCTCAACATTGAATG 60
 Db 194 ATGGAGAAGTCATACCTCAGCTGCTAGCTATAGAGAGCTCAACATTGAATG 253
 Oy 61 CCTCAACAAGCAGCTCAAAAGCTACAGAACTATTATCAATTTCTGCTCATCGAATA 120
 Db 254 CCTCAACAAGCAGCTCAAAAGCTACAGAACTATTATCAATTTCTGCTCATCGAATA 313
 Oy 121 TGTCTCTGCTGATCTGATCATCTGATGCTTCTCTGA 159
 Db 314 TGTCTCTGCTGATCTGATCATCTGATGCTTCTCTGA 352

RESULT 25

AL600196 543 bp mRNA linear EST 04-SEP-2003
 LOCUS DKFZ313J2432 r1 313 (synonym: h1cc2) Homo sapiens cDNA clone
 DEFINITION DKFZ313J2432 5', mRNA sequence.
 ACCESSION AL600196
 VERSION AL600196.1 GI:15163702
 KEYWORDS EST.
 SOURCE Homo sapiens (human)
 Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
 Homiidae; Homo.
 1 (bases 1 to 543)
 Bloecher, H., Boecher, M., Brandt, P., Mewes, W., Weil, B. and
 Wiemann, S.
 EST (Bloecher, H., Boecher, M., Brandt, P., Mewes, W., Weil, B. and
 Wiemann, S.)
 Unpublished (1999)
 CONTACT: MIPS
 MIPS
 Infolandstr. Landstr.1, D-85764 Neuherberg, Germany
 This is the 5' sequence of the clone insert
 Clone from S. Wiemann, Molecular Genome Analysis, German Cancer
 Research Center (DKFZ); Email s.wiemann@dkfz-heidelberg.de;
 sequenced by GBF (National Research Centre for Biotechnology Ltd.,
 Braunschweig/Germany) within the cDNA sequencing consortium of the
 German Genome Project.
 No sl sequence available.
 This clone (DKFZ313J2432) is available at the RZPD in Berlin.
 Please contact the RZPD: Ressourcenzentrum, Heubnerweg 6, 14059
 Berlin-Charlottenburg, GERMANY; Email: clone@rzpd.de.

FEATURES

source

1..543
 /organism="Homo sapiens"
 /mol_type="mRNA"
 /db_xref="taxon:9606"
 /clone="DKFZ313J2432"
 /dev_stage="adult"
 /lab_host="DH10B"
 /clone_lib="313 (synonym: h1cc2)"
 /note="vector: pTriplex2; site_1: sf11A; site_2: sf11B;
 cDNA-collection"

ORIGIN

Query Match 99.0%; Score 157.4; DB 1; Length 543;
 Best Local Similarity 99.4%; Pred. No. 2.5e-35;
 Matches 158; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Oy 1 ATGGAGAAGTCATACCTCAGCTGCTAGCTATAGAGAGCTCAACATTGAATG 60
 Db 164 ATGGAGAAGTCATACCTCAGCTGCTAGCTATAGAGAGCTCAACATTGAATG 223
 Oy 61 CCTCAACAAGCAGCTCAAAAGCTACAGAACTATTATCAATTTCTGCTCATCGAATA 120

Db	Qy	RESULT 26
224	121	AL600489 547 bp mRNA linear EST 04-SEP-2001
CCTGACACGACCGCCAAAGTACAGATCTATTATCAATTCTTGCTCATCTTATA	283	
Db	284	AL600489 547 bp mRNA linear EST 04-SEP-2001
TGCTCTCTGCTGATCTGTATCATCGTATGCTTCTCTGA	159	
TGCTCTCTGCTGATCTGTATCATCGTATGCTTCTCTGA	322	
DEFINITION		DKFZp313O2033.r1 313 (synonym: h1cc2) Homo sapiens cDNA clone
LOCUS		DKFZp313O2033 5', mRNA sequence.
ACCESSION		AL600489
VERSION		AL600489.1 GI:15163995
KEYWORDS		EST.
SOURCE		Homo sapiens (human)
ORGANISM		Homo sapiens
		Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi;
		Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
		Homidae; Homo.
REFERENCE		1 (bases 1 to 547)
AUTHORS		Koehrer, K., Beyer, A., Mewes, W., Weil, B. and Wiemann, S.
TITLE		EST (Koehrer, K., Beyer, A., Mewes, H.W., Weil, B. and Wiemann, S.)
JOURNAL		Unpublished (1999)
COMMENT		Contact: MIPS

VERSION	EA708988.1	Gen:49503283
KEYWORDS	EST.	
SOURCE	Homo sapiens	[human]
ORGANISM	Homo sapiens	
	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;	
	Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;	
	Hominidae; Homo.	
REFERENCE	1 (bases 1 to 548)	
AUTHORS	Millino C.	
TITLE	Expression profiling of human hypertrophic cardiomyopathy	
JOURNAL	progressed to dilated cardiomyopathy by DNA microarray analysis	
COMMENT	Unpublished (2004)	
	Contact: Millino C	
	Biology and CFIBI	
	University of Padova	
	Via U. Bassi, 58/B, 35131, ITALY.	
FEATURES	Location/Qualifiers	
source	1..548	
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	/mol_type="mRNA"	
	/db_xref="taxon:9606"	
	/clone="CMPD04183"	
	/tissue_type="heart"	
	/clone_id="CMPD01"	
	/note="Caucasian"	
ORIGIN		

Ingolstaedter landstr.1, D-85764 Neuburg, Germany.
This is the 5' sequence of the clone insert.
Clone from S. Wiemann, Molecular Genome Analysis, German Cancer
Research Center (DKFZ); Email: s.wiemann@dkfz-heidelberg.de;
sequenced by BMFZ (Biomedical Research Center at the Charité,
Berlin/Germany) within the cDNA sequencing consortium of the German
Genome Project.
No sl sequence available.
This clone (DKFZp31302033) is available at the RZPD in Berlin.
Please contact the RZPD: Ressourcenzentrum, Heubneweg 6, 14059
Berlin-Charlottenburg, GERMANY; Email: clone@rzpd.de.

Query Match	Similarity	Score	DB 1	Length	548
Best Local	Similarity	99.4%	Pred.	No. 2.5e-35	
Matches	158	Conservative	0	Mismatches	1
				Indels	0
				Gaps	0
QY	1	ATGGAGAAAGTC	2AATACCTCACTGCTGCACCTATTAAGAGAGCCTCAACCATTTGAATG	60	
Db	195	ATGGAGAAAGTC	2AATACCTCACTGCTGCACCTATTAAGAGAGCCTCAACCATTTGAATG	254	
QY	61	CCTCAACAGAGA	CGTCAAAAGCTACAGAAATCTAATTTATCAATTTCTGCTCATCGAATA	120	
Db	255	CCTCAACAGAGA	CGTCAAAAGCTACAGAAATCTAATTTATCAATTTCTGCTCATCTTAATA	314	

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source
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/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="DKFZp313O2033"
/dev_stage="adult"
/lab_host="DH10B"
/clone_lib="313 (synonym: hicc2)"
/note="Vector: pTriplex2; Site_1: SfiIA; Site_2: SfiIB;
cDNA_collection"

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Oy	121	TGTCCTTGCATCTGATCATGTGTAAGCTTCTCTGA	159
Db	315	TGTCCTTGCATCTGATCATGTGTAAGCTTCTCTGA	353
RESULT 28			
BP257178			
LOCUS	BP257178	550 bp	mRNA
DEFINITION	Sugano cDNA library, heart Homo sapiens cDNA clone		
	HRT00312,	mRNA sequence.	
ACCESSION	BP257178		
VERSION	BP257178.1	ct	52172408

	Query Match	Best Local Similarity	99.0%; 99.0%;	Pred. 15.7%; Score 15.7%;	DB 1.4; Length 5477
Matches	158;	Conservative	0;	Mismatches	1;
				Indels	0;
				Gaps	0;
QY	1	ATGAGAAAGTCCATACCTCACTGGCTGACGTATATAGAGAGGCTCAACCATTTGAATG	60		
Db	207	ATGGAGAAAGTCCATACCTCACTGGCTGACGTATATAGAGAGGCTCAACCATTTGAATG	266		
QY	61	CCTCAACAAGCAGCTCAAAAGCTACAGAAATCTATTTATCAATTTCTGTCTCATCTGAATA	120		
Db	267	CCTCAACAAGCAGCTCAAAAGCTACAGAAATCTATTTATCAATTTCTGTCTCATCTTAATA	326		
QY	121	TGTCTCTTGCTGATCTGTATCATCATCGTGAAGTCTTCTCTGA	159		
Db	327	TGTCTCTTGCTGATCTGTATCATCATCGTGAAGTCTTCTCTGA	365		

KAIWOCUS	ES.I.
SOURCE	Homo sapiens (human)
ORGANISM	Homo sapiens Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Homnidae; Homo. 1 (bases 1 to 550)
REFERENCE	Suzuki,Y., Yamashita,R., Shirota,M., Sakakibara,Y., Chiba,T., Miushima-Sugano,J., Nakai,K. and Sugano,S. Sequence comparison of human and mouse genes reveals a homologous block structure in the promoter regions <i>Genome Res.</i> 14 (9), 1711-1718 (2004)
JOURNAL	
PUBMED	15342556
COMMENT	Contact: Yutaka Suzuki Department of Virology

RESULT 27					
LOCUS	AJ708988	548 bp	mRNA	linear	EST 30-JUN-2004
DEFINITION	AJ708988	CMPD01	Homo sapiens	CDNA clone	CMPD04183, mRNA sequence.
ACCESSION	AJ708988				

			/db_xref="taxon:9606"	
			/clone="HRT00312"	
			/tissue_type="heart"	
			/clone_lib="Sugano cDNA library, heart"	
ORIGIN				
Query Match	99.0%	Score 157.4;	DB 3;	Length 550;
Best Local Similarity	99.4%;	Pred. No. 2.5e-35;		
Matches 158;	Conservative	0;	Mismatches 1;	Indels 0; Gaps 0
Oy	1	ATGAGAAAGTCATACTACCTCACTCGTCTAGCTATTAGAAGACCCTCAACCATTTGAATG	60	
Dd	194	ATGAGAAAGTCATACTACCTCACTCGTCTAGCTATTAGAAGACCCTCAACCATTTGAATG	253	
Oy	61	CCTCAACAAGCAGTGCTAAGGTACAGAAATCTATTATCAATTTCTGTCTATCTGAATA	120	
Dd	254	CCTCAACAAGCAGTGCTAAGGTACAGAAATCTATTATCAATTTCTGTCTATCTTAATA	313	
Oy	121	TGTCTCTGTGATCTGTATCATCTGGTAGTGCCTTCTCTGA	159	
Dd	314	TGTCTCTGTGATCTGTATCATCTGGTAGTGCCTTCTCTGA	352	
RESULT 29				
LOCUS	BP259966	550 bp	mRNA	linear EST 16-SEP-2004
DEFINITION	BP259966 Sugano cDNA library, heart Homo sapiens cDNA clone			
ACCESSION	HRT08389,	mRNA sequence.		
VERSION	BP259966			
KEYWORDS	EST.	BP259966.1 GI:52175196		
SOURCE	Homo sapiens (human)			
ORGANISM	Homo sapiens			
	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;			
	Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;			
	Hominidae; Homo			
REFERENCE	1 (bases 1 to 550)			
AUTHORS	Suzuki,Y., Yamashita,R., Shirote,M., Sakakibara,Y., Chiba,T.,			
	Mizushima-Sugano,J., Nakai,K. and Sugano,S.			
	Sequence comparison of human and mouse genes reveals a homologous			
	block structure in the promoter regions			
JOURNAL	Genome Res. 14 (9), 1711-1718 (2004)			
PUBMED	15342556			
COMMENT	Contact: Yutaka Suzuki Department of Virology Institute of Medical Science, University of Tokyo 4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan Email: yusuzuki@ims.u-tokyo.ac.jp.			
FEATURES	Location/Qualifiers			
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	/clone="HRT08389"			
	/tissue_type="heart"			
	/clone_lib="Sugano cDNA library, heart"			
ORIGIN				
Query Match	99.0%	Score 157.4;	DB 3;	Length 550;
Best Local Similarity	99.4%;	Pred. No. 2.5e-35;		
Matches 158;	Conservative	0;	Mismatches 1;	Indels 0; Gaps 0;
Oy	1	ATGAGAAAGTCATACTACCTCACTCGTCTAGCTATTAGAAGACCCTCAACCATTTGAATG	60	
Dd	167	ATGAGAAAGTCATACTACCTCACTCGTCTAGCTATTAGAAGACCCTCAACCATTTGAATG	226	
Oy	61	CCTCAACAAGCAGTGCTAAGGTACAGAAATCTATTATCAATTTCTGTCTATCTGAATA	120	
Dd	227	CCTCAACAAGCAGTGCTAAGGTACAGAAATCTATTATCAATTTCTGTCTATCTTAATA	286	
Oy	121	TGTCTCTGTGATCTGTATCATCTGGTAGTGCCTTCTCTGA	159	
Dd	287	TGTCTCTGTGATCTGTATCATCTGGTAGTGCCTTCTCTGA	325	

[illegible]

PUBMED 15342556
COMMENT Contact: Yutaka Suzuki
Department of Virology
Institute of Medical Science, University of Tokyo
4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan
Email: yusuzuki@ims.u-tokyo.ac.jp.
Location/Qualifiers

FEATURES
source 1..550
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="HRT09384"
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ORIGIN

Query Match 99.0%; Score 157.4; DB 3; Length 550;
Best Local Similarity 99.4%; Pred. No. 2.5e-35;
Matches 158; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 ATGGAGAAAGTCCATACCTCCTCCTCAGCTATATAGAGGCTCAACCATTTGAATG 60
DB 163 ATGGAGAAAGTCCATACCTCCTCCTCAGCTATATAGAGGCTCAACCATTTGAATG 222
QY 61 CCTCAACAAGCAGCTCAAAAGCTACAGATCTATTATCAATTTCTGCTCATCTGAATA 120
DB 223 CCTCAACAAGCAGCTCAAAAGCTACAGATCTATTATCAATTTCTGCTCATCTTAATA 282
QY 121 TGTCTCTTGCTGATCTGATCATCTGATGCTTCTCTGA 159
DB 283 TGTCTCTTGCTGATCTGATCATCTGATGCTTCTCTGA 321

RESULT 32
BP259171 551 bp mRNA linear EST 16-SEP-2004
LOCUS BP259171 Sugano cDNA library, heart Homo sapiens cDNA clone
DEFINITION HRT05807, mRNA sequence.
ACCESSION BP259171 GI:52174401
VERSION BP259171.1 GI:52174401
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
Homnidae; Homo.
1 (bases 1 to 551)
Suzuki, Y., Yamashita, R., Shirota, M., Sakakibara, Y., Chiba, J.,
Mizushima-Sugano, J., Nakai, K. and Sugano, S.
Sequence comparison of human and mouse genes reveals a homologous
block structure in the promoter regions
Genome Res. 14 (9), 1711-1718 (2004)

JOURNAL
PUBMED 15342556
COMMENT Contact: Yutaka Suzuki
Department of Virology
Institute of Medical Science, University of Tokyo
4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan
Email: yusuzuki@ims.u-tokyo.ac.jp.
Location/Qualifiers

FEATURES
source 1..551
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="HRT05807"
/tissue_type="heart"
/clone_lib="Sugano cDNA library, heart"

ORIGIN

Query Match 99.0%; Score 157.4; DB 3; Length 551;
Best Local Similarity 99.4%; Pred. No. 2.5e-35;
Matches 158; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 ATGGAGAAAGTCCAAATCCTCCTCCTCAGCTATATAGAGGCTCAACCATTTGAATG 60

DB 195 ATGGAGAAAGTCCAAATCCTCCTCCTCAGCTATATAGAGGCTCAACCATTTGAATG 254
QY 61 CCTCAACAAGCAGCTCAAAAGCTACAGATCTATTATCAATTTCTGCTCATCTGAATA 120
DB 255 CCTCAACAAGCAGCTCAAAAGCTACAGATCTATTATCAATTTCTGCTCATCTTAATA 314
QY 121 TGTCTCTTGCTGATCTGATCATCTGATGCTTCTCTGA 159
DB 315 TGTCTCTTGCTGATCTGATCATCTGATGCTTCTCTGA 353

RESULT 33
BP259965 551 bp mRNA linear EST 16-SEP-2004
LOCUS BP259965 Sugano cDNA library, heart Homo sapiens cDNA clone
DEFINITION HRT08385, mRNA sequence.
ACCESSION BP259965
VERSION BP259965.1 GI:52175195
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
Homnidae; Homo.
1 (bases 1 to 551)
Suzuki, Y., Yamashita, R., Shirota, M., Sakakibara, Y., Chiba, J.,
Mizushima-Sugano, J., Nakai, K. and Sugano, S.
Sequence comparison of human and mouse genes reveals a homologous
block structure in the promoter regions
Genome Res. 14 (9), 1711-1718 (2004)

JOURNAL
PUBMED 15342556
COMMENT Contact: Yutaka Suzuki
Department of Virology
Institute of Medical Science, University of Tokyo
4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan
Email: yusuzuki@ims.u-tokyo.ac.jp.
Location/Qualifiers

FEATURES
source 1..551
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="HRT08385"
/tissue_type="heart"
/clone_lib="Sugano cDNA library, heart"

ORIGIN

Query Match 99.0%; Score 157.4; DB 3; Length 551;
Best Local Similarity 99.4%; Pred. No. 2.5e-35;
Matches 158; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 ATGGAGAAAGTCCAAATCCTCCTCCTCAGCTATATAGAGGCTCAACCATTTGAATG 60
DB 212 ATGGAGAAAGTCCAAATCCTCCTCCTCAGCTATATAGAGGCTCAACCATTTGAATG 271
QY 61 CCTCAACAAGCAGCTCAAAAGCTACAGATCTATTATCAATTTCTGCTCATCTGAATA 120
DB 272 CCTCAACAAGCAGCTCAAAAGCTACAGATCTATTATCAATTTCTGCTCATCTTAATA 331
QY 121 TGTCTCTTGCTGATCTGATCATCTGATGCTTCTCTGA 159
DB 332 TGTCTCTTGCTGATCTGATCATCTGATGCTTCTCTGA 370

RESULT 34
AL600429 552 bp mRNA linear EST 04-SEP-2003
LOCUS AL600429
DEFINITION DKFZP313J1933.1 313 (synonym: h1cc2) Homo sapiens cDNA clone
ACCESSION DKFZP313J1933.5, mRNA sequence.
VERSION AL600429
KEYWORDS AL600429.1 GI:15163935
SOURCE Homo sapiens (human)

ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
Hominiidae; Homo.
1 (bases 1 to 552)

REFERENCE
AUTHORS Koehler,K., Beyer,A., Mewes,W., Weil,B. and Wiemann,S.
TITLE EST (Koehler,K., Beyer,A., Mewes,H.W., Weil,B. and Wiemann,S.)
JOURNAL Unpublished (1999)
COMMENT Contact: MIPS

MIPS
Inpolsaedter Landstr.1, D-85764 Neuherberg, Germany
This is the 5' sequence of the clone insert
Clone from S. Wiemann, Molecular Genome Analysis, German Cancer
Research Center (DKFZ); Email s.wiemann@dkfz-heidelberg.de;
Sequenced by BMFZ (Biomedical Research Center at the Charité,
Berlin/Germany) within the cDNA sequencing consortium of the German
Genome Project.
No s1 sequence available.
This clone (DKFZp31j1933) is available at the RZPD in Berlin.
Please contact the RZPD: Ressourcenzentrum, Heubnerweg 6, 14059
Berlin-Charlottenburg, GERMANY; Email: clone@rzpd.de.
Location/Qualifiers

FEATURES
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1..552
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/clone="DKFZp31j1933"
/dev_stage="adult"
/lab_host="DH10B"
/clone_lib="313 (synonym: hicc2)"
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Best Local Similarity 99.4%; Pred. No. 2.5e-35;
Matches 158; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 ATGAGAAAGTCATACCTCACTCGCTACGCTATTAAGAAGCCTCAACCATTTGAATG 60
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DB 173 ATGGAGAAAGTCATACCTCACTCGCTACGCTATTAAGAAGCCTCAACCATTTGAATG 232
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QY 61 CCTCAACAGACGCGCAAAAGCTACAGATCTATTATCAATTTCTGCTCATCTGAATA 120
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DB 233 CCTCAACAGACGCGCAAAAGCTACAGATCTATTATCAATTTCTGCTCATCTGAATA 292
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QY 121 TGTCTCTTGCTGATCTGATCATCGTGATGCTTCTCTGA 159
|||||
DB 293 TGTCTCTTGCTGATCTGATCATCGTGATGCTTCTCTGA 331
|||||

RESULT 35
BP259458 552 bp mRNA linear EST 16-SEP-2004
LOCUS BP259458 Sugano cDNA library, heart Homo sapiens cDNA clone
DEFINITION HR106808, mRNA sequence.
ACCESSION BP259458
VERSION BP259458.1 GI:52174688
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
Hominiidae; Homo.
1 (bases 1 to 552)
REFERENCE
AUTHORS Suzuki,Y., Yamashita,R., Shiota,M., Sakakibara,Y., Chiba,J.,
Mizushima-Sugano,J., Nakai,K. and Sugano,S.
TITLE Sequence comparison of human and mouse genes reveals a homologous
block structure in the promoter regions
JOURNAL Genome Res. 14 (9), 1711-1718 (2004)
PUBMED 15342556
COMMENT Contact: Yutaka Suzuki
Department of Virology

Institute of Medical Science, University of Tokyo
4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan
Email: yusuzuki@ims.u-tokyo.ac.jp.
Location/Qualifiers

FEATURES
source
1..552
/organism="Homo sapiens"
/mol_type="mRNA"
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/clone="HR106808"
/tissue="heart"
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Query Match 99.0%; Score 157.4; DB 3; Length 552;
Best Local Similarity 99.4%; Pred. No. 2.5e-35;
Matches 158; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 ATGAGAAAGTCATACCTCACTCGCTACGCTATTAAGAAGCCTCAACCATTTGAATG 60
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DB 241 CCTCAACAGACGCGCAAAAGCTACAGATCTATTATCAATTTCTGCTCATCTGAATA 300
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QY 121 TGTCTCTTGCTGATCTGATCATCGTGATGCTTCTCTGA 159
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DB 301 TGTCTCTTGCTGATCTGATCATCGTGATGCTTCTCTGA 339
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RESULT 36
BP257543 553 bp mRNA linear EST 16-SEP-2004
LOCUS BP257543 Sugano cDNA library, heart Homo sapiens cDNA clone
DEFINITION HR101211, mRNA sequence.
ACCESSION BP257543
VERSION BP257543.1 GI:52172773
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
Hominiidae; Homo.
1 (bases 1 to 553)
REFERENCE
AUTHORS Suzuki,Y., Yamashita,R., Shiota,M., Sakakibara,Y., Chiba,J.,
Mizushima-Sugano,J., Nakai,K. and Sugano,S.
TITLE Sequence comparison of human and mouse genes reveals a homologous
block structure in the promoter regions
JOURNAL Genome Res. 14 (9), 1711-1718 (2004)
PUBMED 15342556
COMMENT Contact: Yutaka Suzuki
Department of Virology
Institute of Medical Science, University of Tokyo
4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan
Email: yusuzuki@ims.u-tokyo.ac.jp.
Location/Qualifiers

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1..553
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/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="HR101211"
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ORIGIN
Query Match 99.0%; Score 157.4; DB 3; Length 553;
Best Local Similarity 99.4%; Pred. No. 2.5e-35;
Matches 158; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 ATGAGAAAGTCATACCTCACTCGCTACGCTATTAAGAAGCCTCAACCATTTGAATG 60
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DB 195 ATGAGAAAGTCATACCTCACTCGCTACGCTATTAAGAAGCCTCAACCATTTGAATG 254
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OY 61 CCTCAACAAGCAGCTCAAAAGCTACAGATCTATTATCAATTTCTGTCATCTGAATA 120
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    |||||
OY 121 TGTCTTGTGCTGATCTGATATCATCGTGATGCTTCTCTGA 159
    |||||
DB 315 TGTCTTGTGCTGATCTGATATCATCGTGATGCTTCTCTGA 353
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RESULT 37
BP258625 554 bp mRNA linear EST 16-SEP-2004
BP258625 Sugano cDNA library, heart Homo sapiens cDNA clone
DEFINITION HRT04008, mRNA sequence.
ACCESSION BP258625
VERSION BP258625.1 GI:52173855
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
Homniidae; Homo.
1 (bases 1 to 554)
Suzuki,Y., Yamashita,R., Shiota,M., Sakakibara,Y., Chiba,J.,
Mizushima-Sugano,J., Nakai,K. and Sugano,S.
Sequence comparison of human and mouse genes reveals a homologous
block structure in the promoter regions
Genome Res. 14 (9), 1711-1718 (2004)

JOURNAL PUBMED
CONTACT: Yutaka Suzuki
Department of Virology
Institute of Medical Science, University of Tokyo
4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan
Email: yusuzuki@ims.u-tokyo.ac.jp.
Location/Qualifiers

FEATURES
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Best Local Similarity 99.4%; Pred. No. 2.5e-35;
Matches 158; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 1 ATGGAAGAAAGTCCATACCTCACTGCTGAGCTATTAAGAAGCCTCAACATTGAATG 60
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DB 195 ATGGAAGAAAGTCCATACCTCACTGCTGAGCTATTAAGAAGCCTCAACATTGAATG 254
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OY 61 CCTCAACAAGCAGCTCAAAAGCTACAGATCTATTATCAATTTCTGTCATCTGAATA 120
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DB 255 CCTCAACAAGCAGCTCAAAAGCTACAGATCTATTATCAATTTCTGTCATCTTAATA 314
    |||||
OY 121 TGTCTTGTGCTGATCTGATATCATCGTGATGCTTCTCTGA 159
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DB 315 TGTCTTGTGCTGATCTGATATCATCGTGATGCTTCTCTGA 353
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RESULT 38
BP257310 556 bp mRNA linear EST 16-SEP-2004
BP257310 Sugano cDNA library, heart Homo sapiens cDNA clone
DEFINITION HRT00632, mRNA sequence.
ACCESSION BP257310
VERSION BP257310.1 GI:52172540
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
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Homniidae; Homo.
1 (bases 1 to 556)
Suzuki,Y., Yamashita,R., Shiota,M., Sakakibara,Y., Chiba,J.,
Mizushima-Sugano,J., Nakai,K. and Sugano,S.
Sequence comparison of human and mouse genes reveals a homologous
block structure in the promoter regions
Genome Res. 14 (9), 1711-1718 (2004)

JOURNAL PUBMED
CONTACT: Yutaka Suzuki
Department of Virology
Institute of Medical Science, University of Tokyo
4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan
Email: yusuzuki@ims.u-tokyo.ac.jp.
Location/Qualifiers

FEATURES
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1..556
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/mol_type="mRNA"
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Query Match 99.0%; Score 157.4; DB 3; Length 556;
Best Local Similarity 99.4%; Pred. No. 2.5e-35;
Matches 158; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 1 ATGGAAGAAAGTCCATACCTCACTGCTGAGCTATTAAGAAGCCTCAACATTGAATG 60
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OY 61 CCTCAACAAGCAGCTCAAAAGCTACAGATCTATTATCAATTTCTGTCATCTGAATA 120
    |||||
DB 255 CCTCAACAAGCAGCTCAAAAGCTACAGATCTATTATCAATTTCTGTCATCTTAATA 314
    |||||
OY 121 TGTCTTGTGCTGATCTGATATCATCGTGATGCTTCTCTGA 159
    |||||
DB 315 TGTCTTGTGCTGATCTGATATCATCGTGATGCTTCTCTGA 353
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RESULT 39
BP258394 558 bp mRNA linear EST 16-SEP-2004
BP258394 Sugano cDNA library, heart Homo sapiens cDNA clone
DEFINITION HRT03359, mRNA sequence.
ACCESSION BP258394
VERSION BP258394.1 GI:52173624
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
Homniidae; Homo.
1 (bases 1 to 558)
Suzuki,Y., Yamashita,R., Shiota,M., Sakakibara,Y., Chiba,J.,
Mizushima-Sugano,J., Nakai,K. and Sugano,S.
Sequence comparison of human and mouse genes reveals a homologous
block structure in the promoter regions
Genome Res. 14 (9), 1711-1718 (2004)

JOURNAL PUBMED
CONTACT: Yutaka Suzuki
Department of Virology
Institute of Medical Science, University of Tokyo
4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan
Email: yusuzuki@ims.u-tokyo.ac.jp.
Location/Qualifiers

FEATURES
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1..558
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Query Match	99.0%;	Score 157.4;	DB 3;	Length 558;
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Matches 158;	Conservative 0;	Mismatches 1;	Indels 0;	Gaps 0;
Oy	1	ATGAGAAAGTCATACCTCAGCTGCGTCAGGTATTAAGAAGAGCCTCAACCATTTGAATG	60	
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Oy	61	CCTCAACAAGCAGCGTCAAAAGCTACAGATCATTTATTCATTTCTGTCATCTGAATA	120	
Db	255	CCTCAACAAGCAGCGTCAAAAGCTACAGATCATTTATTCATTTCTGTCATCTTAATA	314	
Oy	121	TGTCCTTGTGATCTGTATCATGCGTATGCTTCTCTGA	159	
Db	315	TGTCCTTGTGATCTGTATCATGCGTATGCTTCTCTGA	353	
RESULT 40				
LOCUS	BP258989	558 bp	mRNA	linear
DEFINITION	BP258989 Sugano cDNA library, heart Homo sapiens cDNA clone			
ACCESSION	BP258989			
VERSION	BP258989.1	GI:52174219		
KEYWORDS	EST.			
SOURCE	Homo sapiens (human)			
ORGANISM	Homo sapiens			
REFERENCE	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Homnidae; Homo.			
AUTHORS	1 (bases 1 to 558)			
TITLE	Suzuki,Y., Yamashita,R., Shirota,M., Sakakibara,Y., Chiba,J., Mizushima-Sugano,J., Nakai,K. and Sugano,S.			
JOURNAL	Sequence comparison of human and mouse genes reveals a homologous block structure in the promoter regions			
PUBMED	Genome Res. 14 (9), 1711-1718 (2004)			
COMMENT	Contact: Yutaka Suzuki Department of Virology Institute of Medical Science, University of Tokyo 4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan Email: yusuzuki@ims.u-tokyo.ac.jp.			
FEATURES	Location/Qualifiers			
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Best Local Similarity	99.4%;	Pred. No. 2.5e-35;		
Matches 158;	Conservative 0;	Mismatches 1;	Indels 0;	Gaps 0;
Oy	1	ATGAGAAAGTCATACCTCAGCTGCGTCAGGTATTAAGAAGAGCCTCAACCATTTGAATG	60	
Db	195	ATGAGAAAGTCATACCTCAGCTGCGTCAGGTATTAAGAAGAGCCTCAACCATTTGAATG	254	
Oy	61	CCTCAACAAGCAGCGTCAAAAGCTACAGATCATTTATTCATTTCTGTCATCTGAATA	120	
Db	255	CCTCAACAAGCAGCGTCAAAAGCTACAGATCATTTATTCATTTCTGTCATCTTAATA	314	
Oy	121	TGTCCTTGTGATCTGTATCATGCGTATGCTTCTCTGA	159	
Db	315	TGTCCTTGTGATCTGTATCATGCGTATGCTTCTCTGA	354	
RESULT 41				
1720214/c				

LOCUS	A1720214	559 bp	mRNA	linear	EST 10-JUN-1993
DEFINITION	a694a05.x1 Barstead colon HPRB7 Homo sapiens cDNA clone IMAGE:2335376 3 similar to gb:M63603 CARDIAC PHOSPHOLAMBAN (HUMAN) ; mRNA sequence.				
ACCESSION	A1720214				
VERSION	A1720214.1	GI:5037470			
KEYWORDS	EST.				
SOURCE	Homo sapiens (human)				
ORGANISM	Homo sapiens				
REFERENCE	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Homidae; Homo.				
AUTHORS	1 (bases 1 to 559) Hallier,L., Allen,M., Bowles,L., Dubuque,T., Geisel,G., Jost,S., Kitzman,D., Kucaba,T., Lacy,M., Le,N., Lennon,G., Marra,M., Martin,J., Moore,B., Scheinberg,K., Stepien,M., Tan,F., Theising,B., White,Y., Wylie,T., Waterston,R. and Wilson,R. WashU-NCI human EST project Unpublished (1997)				
TITLE	Contact: Wilson RK				
JOURNAL	Washington University School of Medicine				
COMMENT	444 Forest Park Parkway, Box 8501, St. Louis, MO 63108 Tel: 314 286 1800 Fax: 314 286 1810 Email: est@wustl.edu This clone is available royalty-free through LINT, contact the IMAGE Consortium (info@image.llnl.gov) for further information. Seq primer: -40UP from Gibco High quality sequence stop: 448. Location/Qualifiers				
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Source	1..559 /organism="Homo sapiens" /mol_type="mRNA" /db_xref="taxon:9606" /cclone="IMAGE:2335376" /sex="male" /dev_stage="adult, age 25" /lab_host="DH10B (phage resistant)" /clone_lib="Barstead colon HPRB7" /note="Organ: colon; Vector: pT73D-Pac (Pharmacia) with a modified polylinker; Site 1: EcoRI; Site 2: NotI; 1st strand cDNA was primed with a Not I - oligo(dT) primer [5' TGTTACGAATCTAAGTGAGGCGCCGGCTTTTTTTTTTTTTTTTTTTT 3']; double-stranded cDNA was ligated to Eco RI adaptors [5' AATTCACTAGTAAT 3' and 5' ATTACTAGTG 3'], digested with Not I and cloned into the Not I and Eco RI sites of the modified pT73 vector. Library constructed by Bob Barstead."				
ORIGIN					
Query Match	99.0%; Score 157.4;	DB 1;	Length 559;		
Best Local Similarity	99.4%; Pred. NO. 2.5e-35;				
Matches 158; Conservative	0; Mismatches 1;	Indels	0;	Gaps	0;
Oy	1 ATGAGAAAGTCATACTCCTCATCGCTGCAGCTATAAGAAGAGCCTCAACATTGAATG 60 				
Db	418 ATGAGAAATCCAATCCTCACTCGCTGCAGCTATAAGAAGAGCCTCAACATTGAATG 359 				
Oy	61 CCTCACAGACGTCAAAGCTACAGATCTATTATCAATTTTGTCTCATCTGAATA 120 				
Db	358 CCTCAACACACAGCTCAAAAGCTACAGAAATCTATTATCAATTTTGTCTCATCTTAATA 299 				
Oy	121 TGTCTCTTGCTGATCTGTATCATCGTAGAGCTTCTCGA 159 				
Db	298 TGTCTCTTGCTGATCTGTATCATCGTAGAGCTTCTCGA 260 				
RESULT 42					
BP260265	559 bp mRNA linear EST 16-SEP-2004				
LOCUS	BP260265				
DEFINITION	Sugano cDNA library, heart Homo sapiens cDNA clone				
ACCESION	HRT09360				
KEYWORDS	mRNA sequence.				
SOURCE	BP260265				

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VERSION      BP260265.1  GI:52175496
KEYWORDS     EST.
SOURCE       Homo sapiens (human)
ORGANISM     Homo sapiens
              Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
              Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
              Homiidae; Homo.
REFERENCE    1 (bases 1 to 559)
AUTHORS     Suzuki, Y., Yamashita, R., Shirota, M., Sakakibara, Y., Chiba, J.,
              Mizushima-Sugano, J., Nakai, K. and Sugano, S.
TITLE       Sequence comparison of human and mouse genes reveals a homologous
              block structure in the promoter regions
JOURNAL      Genome Res. 14 (9), 1711-1718 (2004)
PUBMED      15342556
COMMENT     Contact: Yutaka Suzuki
              Department of Virology
              Institute of Medical Science, University of Tokyo
              4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan
              Email: yusuzuki@ims.u-tokyo.ac.jp.
              Location/Qualifiers
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Best Local Similarity 99.4%; Pred. No. 2.5e-35;
Matches 158; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY      1 ATGAGAAAGTCCATACCTCACTGCTCAGCTATTAAGAAGCCTCAACATTGAATG 60
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DB      195 ATGAGAAAGTCCATACCTCACTGCTCAGCTATTAAGAAGCCTCAACATTGAATG 254
QY      61 CCTCAACAAGCAGCTCAAAAGCTACAGATCTATTATTCATTCTGTCATCGAATA 120
        |||||||
DB      255 CCTCAACAAGCAGCTCAAAAGCTACAGATCTATTATTCATTCTGTCATCGAATA 314
QY      121 TGTCTCTTGCTGATCTGATCATCGGATGCTTCTCTGA 159
        |||||||
DB      315 TGTCTCTTGCTGATCTGATCATCGGATGCTTCTCTGA 353

RESULT 43
LOCUS       BP257291          560 bp      mRNA      linear      EST 16-SEP-2004
DEFINITION BP257291 Sugano cDNA library, heart Homo sapiens cDNA clone
            HRT00595, mRNA sequence.
ACCESSION   BP257291
VERSION     BP257291.1  GI:52172521
KEYWORDS    EST.
SOURCE      Homo sapiens (human)
ORGANISM    Homo sapiens
              Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
              Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
              Homiidae; Homo.
REFERENCE    1 (bases 1 to 560)
AUTHORS     Suzuki, Y., Yamashita, R., Shirota, M., Sakakibara, Y., Chiba, J.,
              Mizushima-Sugano, J., Nakai, K. and Sugano, S.
TITLE       Sequence comparison of human and mouse genes reveals a homologous
              block structure in the promoter regions
JOURNAL      Genome Res. 14 (9), 1711-1718 (2004)
PUBMED      15342556
COMMENT     Contact: Yutaka Suzuki
              Department of Virology
              Institute of Medical Science, University of Tokyo
              4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan
              Email: yusuzuki@ims.u-tokyo.ac.jp.
              Location/Qualifiers
FEATURES     source
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Query Match      99.0%; Score 157.4; DB 3; Length 560;
Best Local Similarity 99.4%; Pred. No. 2.5e-35;
Matches 158; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY      1 ATGAGAAAGTCCATACCTCACTGCTCAGCTATTAAGAAGCCTCAACATTGAATG 60
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DB      204 ATGAGAAAGTCCATACCTCACTGCTCAGCTATTAAGAAGCCTCAACATTGAATG 263
QY      61 CCTCAACAAGCAGCTCAAAAGCTACAGATCTATTATTCATTCTGTCATCGAATA 120
        |||||||
DB      264 CCTCAACAAGCAGCTCAAAAGCTACAGATCTATTATTCATTCTGTCATCGAATA 323
QY      121 TGTCTCTTGCTGATCTGATCATCGGATGCTTCTCTGA 159
        |||||||
DB      324 TGTCTCTTGCTGATCTGATCATCGGATGCTTCTCTGA 362

RESULT 44
LOCUS       AL600477          561 bp      mRNA      linear      EST 04-SEP-2003
DEFINITION DKFZP313N2433.r1 313 (synonym: h1cc2) Homo sapiens cDNA clone
            DKFZP313N2433 5', mRNA sequence.
ACCESSION   AL600477
VERSION     AL600477.1  GI:15163983
KEYWORDS    EST.
SOURCE      Homo sapiens (human)
ORGANISM    Homo sapiens
              Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
              Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
              Homiidae; Homo.
REFERENCE    1 (bases 1 to 561)
AUTHORS     Koehner, K., Beyer, A., Mewes, W., Weil, B. and Wiemann, S.
              EST (Koehner, K., Beyer, A., Mewes, H.W., Weil, B. and Wiemann, S.)
              Unpublished (1999)
              Contact: MIPS
              MIPS
              Ingolstaedter Landstr.1, D-85764 Neuherberg, Germany
              This is the 5' sequence of the clone insert
              Clone from S. Wiemann, Molecular Genome Analysis, German Cancer
              Research Center (DKFZ); Email s.wiemann@dkfz-heidelberg.de;
              sequenced by BMFZ (Biomedical Research Center at the Charite,
              Berlin/Germany) within the cDNA sequencing consortium of the German
              Genome Project.
              No si sequence available.
              This clone (DKFZP313N2433) is available at the RZPD in Berlin.
              Please contact the RZPD: Ressourcenzentrum, Heubnerweg 6, 14059
              Berlin-Charlottenburg, GERMANY; Email: clone@rzpd.de.
              Location/Qualifiers
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              /db_xref="taxon:9606"
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              /lab_host="DH10B"
              /clone_lib="313 (synonym: h1cc2)"
              /note="Vector: pTriplex2; Site_1: SfiI; Site_2: SfiIb;
              cDNA-collection"
ORIGIN
Query Match      99.0%; Score 157.4; DB 1; Length 561;
Best Local Similarity 99.4%; Pred. No. 2.5e-35;
Matches 158; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY      1 ATGAGAAAGTCCATACCTCACTGCTCAGCTATTAAGAAGCCTCAACATTGAATG 60

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Db 182 ATGGAGAAGTCCATACCTCAGCTCAGCTATATAGAGGCTCAACCATTTGAATG 241
Qy 61 CCTCAACAAGCAGCGTCAAAAGCTACAGAAATCTATTATCAATTTCTGTCATCTGAATA 120
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Qy 121 TGTCTCTTGCTGATCTGATCATCGTGAATGCTTCTCTGA 159
Db 302 TGTCTCTTGCTGATCTGATCATCGTGAATGCTTCTCTGA 340

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LOCUS BP257982 Sugano cDNA library, heart Homo sapiens cDNA clone
DEFINITION HR102342, mRNA sequence.
ACCESSION BP257982
VERSION BP257982.1 GI:52173212
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
Homidae; Homo.
1 (bases 1 to 561)
Suzuki,Y., Yamashita,R., Shirota,M., Sakakibara,Y., Chiba,J.,
Mizushima-Sugano,J., Nakai,K. and Sugano,S.
Sequence comparison of human and mouse genes reveals a homologous
block structure in the promoter regions
Genome Res. 14 (9), 1711-1718 (2004)

JOURNAL
PUBMED
CONTACT: Yutaka Suzuki
Department of Virology
Institute of Medical Science, University of Tokyo
4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan
Email: yusuzuki@ims.u-tokyo.ac.jp.

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Qy 304 TGTCTCTTGCTGATCTGATCATCGTGAATGCTTCTCTGA 342

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LOCUS BP258939 Sugano cDNA library, heart Homo sapiens cDNA clone
DEFINITION HR105022, mRNA sequence.
ACCESSION BP258939
VERSION BP258939.1 GI:52174169
KEYWORDS EST.
SOURCE Homo sapiens (human)

ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
Homidae; Homo.
1 (bases 1 to 561)
Suzuki,Y., Yamashita,R., Shirota,M., Sakakibara,Y., Chiba,J.,
Mizushima-Sugano,J., Nakai,K. and Sugano,S.
Sequence comparison of human and mouse genes reveals a homologous
block structure in the promoter regions
Genome Res. 14 (9), 1711-1718 (2004)

JOURNAL
PUBMED
CONTACT: Yutaka Suzuki
Department of Virology
Institute of Medical Science, University of Tokyo
4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan
Email: yusuzuki@ims.u-tokyo.ac.jp.

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RESULT 47
BP257744 562 bp mRNA linear EST 16-SEP-2004
LOCUS BP257744 Sugano cDNA library, heart Homo sapiens cDNA clone
DEFINITION HR101757, mRNA sequence.
ACCESSION BP257744
VERSION BP257744.1 GI:52172974
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
Homidae; Homo.
1 (bases 1 to 562)
Suzuki,Y., Yamashita,R., Shirota,M., Sakakibara,Y., Chiba,J.,
Mizushima-Sugano,J., Nakai,K. and Sugano,S.
Sequence comparison of human and mouse genes reveals a homologous
block structure in the promoter regions
Genome Res. 14 (9), 1711-1718 (2004)

JOURNAL
PUBMED
CONTACT: Yutaka Suzuki
Department of Virology
Institute of Medical Science, University of Tokyo
4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan
Email: yusuzuki@ims.u-tokyo.ac.jp.

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RESULT	48
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LOCUS	562 bp mRNA linear EST 16-SEP-2004
DEFINITION	BP258507 Sugano CDNA library, heart Homo sapiens cDNA clone HR070.670, mRNA sequence.
ACCESSION	BP258507
VERSION	BP258507.1 GI:52173737
KEYWORDS	EST.
SOURCE	Homo sapiens (human)
ORGANISM	Homo sapiens

REFERENCE	AUTHORS	TITLE	JOURNAL
1 (bases 1 to 562)	Hamada, Y., Yamashita, R., Shirota, M., Sakakibara, Y., Chiba, J., Suzuki, Y.,	Sequence comparison of human and mouse genes reveals a homologous block structure in the promoter regions	Genome Res. 14 (9), 1711-1718 (2004)

COMMENT
Contact: Yutaka Suzuki
Department of Virology
Institute of Medical Science, University of Tokyo
4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan
Email: yusuzuki@ims.u-tokyo.ac.jp.
Location/Qualifiers

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DEFINITION	BP257372 Sugano cDNA library, heart Homo sapiens CDNA clone
ACCESSION	HRT00770, mRNA sequence.
VERSION	BP257372
KEYWORDS	BP257372.1 GI:52172602 EST.
SOURCE	Homo sapiens (human)
ORGANISM	Homo sapiens
REFERENCE	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Homnidae; Homo.
AUTHORS	I (bases 1 to 563) Suzuki,Y., Yamashita,R., Shiota,M., Sakakibara,Y., Chiba,J., Mizushima-Sugano,J., Nakai,K. and Sugano,S.
TITLE	Sequence comparison of human and mouse genes reveals a homologous block structure in the promoter regions
JOURNAL	Genome Res. 14 (9), 1711-1718 (2004)
PUBMED	15342556
COMMENT	Contact: Yutaka Suzuki Department of Virology Institute of Medical Science, University of Tokyo 4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan Email: yusuzuki@ims.u-tokyo.ac.jp. Location/Qualifiers
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FEATURES
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DB	256	CCTCAACAGCAGCTCAAAAAGCTTACAGATCTATTATCAATTTCTGCTCATGTGAATA	315			
QY	121	TGTCCTTGTGCTGATCTGTATATCTGTGATGCTTCTCTGA	159			
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RESULT 50				
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DEFINITION	BP257855	563 bp	mRNA	linear
ACCESSION	BP257855	Sugano cDNA library,	heart Homo sapiens	cDNA clone
VERSION	HR02035,	mRNA sequence.		
KEYWORDS	BP257855.1	GI:52173085		
SOURCE	EST.			
ORGANISM	Homo sapiens	(human)		
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		Euarctomoglires; Primates;	Catarrhini;	Hominidae; Homo;
REFERENCE	1	(bases 1 to 563)		
AUTHORS	Suzuki,Y., Yamashita,R., Shirota,M., Sakakibara,Y., Chiba,T.,			
TITLE	Mitsushima-Sugano,J., Nakai,K. and Sugano,S.			
JOURNAL	Sequence comparison of human and mouse genes reveals a homologous			
PUBMED	block structure in the promoter regions			
	Genome Res. 14 (9), 1711-1718 (2004)			
	15342556			

COMMENT Contact: Yutaka Suzuki
Department of Medical Science, University of Tokyo
4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan
Email: yusuzuki@ims.u-tokyo.ac.jp

FEATURES
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Matches 158; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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RESULT 51
BP259242 563 bp mRNA linear EST 16-SEP-2004
LOCUS BP259242 Sugano cDNA library, heart Homo sapiens cDNA clone
DEFINITION HRT05987, mRNA sequence.
ACCESSION BP259242
VERSION BP259242.1 GI:52174472
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
Homnidae; Homo.
REFERENCE 1 (bases 1 to 563)
Suzuki,Y., Yamashita,R., Shirota,M., Sakakibara,Y., Chiba,J.,
Mizushima-Sugano,J., Nakai,K. and Sugano,S.
Sequence comparison of human and mouse genes reveals a homologous
block structure in the promoter regions
JOURNAL PUBMED
Genome Res. 14 (9), 1711-1718 (2004)
COMMENT Contact: Yutaka Suzuki
Department of Medical Science, University of Tokyo
4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan
Email: yusuzuki@ims.u-tokyo.ac.jp

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RESULT 52
BP259967 563 bp mRNA linear EST 16-SEP-2004
LOCUS BP259967 Sugano cDNA library, heart Homo sapiens cDNA clone
DEFINITION HRT08393, mRNA sequence.
ACCESSION BP259967
VERSION BP259967.1 GI:52175197
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
Homnidae; Homo.
REFERENCE 1 (bases 1 to 563)
Suzuki,Y., Yamashita,R., Shirota,M., Sakakibara,Y., Chiba,J.,
Mizushima-Sugano,J., Nakai,K. and Sugano,S.
Sequence comparison of human and mouse genes reveals a homologous
block structure in the promoter regions
JOURNAL PUBMED
Genome Res. 14 (9), 1711-1718 (2004)
COMMENT Contact: Yutaka Suzuki
Department of Medical Science, University of Tokyo
4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan
Email: yusuzuki@ims.u-tokyo.ac.jp

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RESULT 53
BP257798 564 bp mRNA linear EST 16-SEP-2004
LOCUS BP257798 Sugano cDNA library, heart Homo sapiens cDNA clone
DEFINITION HRT01902, mRNA sequence.
ACCESSION BP257798
VERSION BP257798.1 GI:52173028
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Homiidae; Homo

REFERENCE
AUTHORS 1 (bases 1 to 564)
TITLE Suzuki, Y., Yamashita, R., Shirota, M., Sakakibara, Y., Chiba, J., Mizushima-Sugano, J., Nakai, K. and Sugano, S.
JOURNAL Sequence comparison of human and mouse genes reveals a homologous block structure in the promoter regions
PUBMED Genome Res. 14 (9), 1711-1718 (2004)
15342556
COMMENT Contact: Yutaka Suzuki
Department of Virology
Institute of Medical Science, University of Tokyo
4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan
Email: yusuzuki@ims.u-tokyo.ac.jp.
location/Qualifiers

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RESULT 54
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LOCUS BP258491 Sugano cDNA library, heart Homo sapiens cDNA clone
DEFINITION HRT03612, mRNA sequence.
ACCESSION BP258491
VERSION BP258491.1 GI:52173721
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Homiidae; Homo.

REFERENCE
AUTHORS 1 (bases 1 to 564)
TITLE Suzuki, Y., Yamashita, R., Shirota, M., Sakakibara, Y., Chiba, J., Mizushima-Sugano, J., Nakai, K. and Sugano, S.
JOURNAL Sequence comparison of human and mouse genes reveals a homologous block structure in the promoter regions
PUBMED Genome Res. 14 (9), 1711-1718 (2004)
15342556
COMMENT Contact: Yutaka Suzuki
Department of Virology
Institute of Medical Science, University of Tokyo
4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan
Email: yusuzuki@ims.u-tokyo.ac.jp.
location/Qualifiers

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QY 1 ATGAGAAAGTCCATACCTCACTGCTCAGCTATTAAGAAGCCTCAACCATTTGAATG 60
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RESULT 55
BP258958 564 bp mRNA linear EST 16-SEP-2004
LOCUS BP258958 Sugano cDNA library, heart Homo sapiens cDNA clone
DEFINITION HRT05067, mRNA sequence.
ACCESSION BP258958
VERSION BP258958.1 GI:52174188
KEYWORDS EST.
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ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Homiidae; Homo.

REFERENCE
AUTHORS 1 (bases 1 to 564)
TITLE Suzuki, Y., Yamashita, R., Shirota, M., Sakakibara, Y., Chiba, J., Mizushima-Sugano, J., Nakai, K. and Sugano, S.
JOURNAL Sequence comparison of human and mouse genes reveals a homologous block structure in the promoter regions
PUBMED Genome Res. 14 (9), 1711-1718 (2004)
15342556
COMMENT Contact: Yutaka Suzuki
Department of Virology
Institute of Medical Science, University of Tokyo
4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan
Email: yusuzuki@ims.u-tokyo.ac.jp.
location/Qualifiers

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QY 1 ATGAGAAAGTCCATACCTCACTGCTCAGCTATTAAGAAGCCTCAACCATTTGAATG 60
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Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
Homidae; Homo.
REFERENCE Suzuki,Y., Yamashita,R., Shirota,M., Sakakibara,Y., Chiba,J.,
AUTHORS Mizushima-Sugano,J., Nakai,K. and Sugano,S.
TITLE Sequence comparison of human and mouse genes reveals a homologous
block structure in the promoter regions
JOURNAL Genome Res. 14 (9), 1711-1718 (2004)
PUBMED 15342556
COMMENT Contact: Yutaka Suzuki
Department of Virology
Institute of Medical Science, University of Tokyo
4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan
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Best Local Similarity 99.4%; Pred. No. 2.5e-35;
Matches 158; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1 ATGGAAGAAGTCGAATACCTCACTGCTCAGCTATAGAGAGCCTCAACCATTTGAATG 60
DB 163 ATGGAGAAGTCGAATACCTCACTGCTCAGCTATAGAGAGCCTCAACCATTTGAATG 222
QY 61 CCTCAACAGCAGCGCAAAAGCTACAGATCTATTATCAATTTCTGTCATCTGAATA 120
DB 223 CCTCAACAGCAGCGCAAAAGCTACAGATCTATTATCAATTTCTGTCATCTTAATA 282
QY 121 TGTCTCTTGCTGATCTGTATCATGCGTATGCTTCTCTGA 159
DB 283 TGTCTCTTGCTGATCTGTATCATGCGTATGCTTCTCTGA 321
RESULT 57
LOCUS BP258798 565 bp mRNA linear EST 16-SEP-2004
DEFINITION BP258798 Sugano cDNA library, heart Homo sapiens cDNA clone
HR04601, mRNA sequence.
ACCESSION BP258798
VERSION BP258798.1 GI:52174028
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
Homidae; Homo.
REFERENCE Suzuki,Y., Yamashita,R., Shirota,M., Sakakibara,Y., Chiba,J.,
AUTHORS Mizushima-Sugano,J., Nakai,K. and Sugano,S.
TITLE Sequence comparison of human and mouse genes reveals a homologous
block structure in the promoter regions
JOURNAL Genome Res. 14 (9), 1711-1718 (2004)
PUBMED 15342556
COMMENT Contact: Yutaka Suzuki

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Institute of Medical Science, University of Tokyo
4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan
Email: yusuzuki@ims.u-tokyo.ac.jp.
FEATURES
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Best Local Similarity 99.4%; Pred. No. 2.5e-35;
Matches 158; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1 ATGGAAGAAGTCGAATACCTCACTGCTCAGCTATAGAGAGCCTCAACCATTTGAATG 60
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QY 61 CCTCAACAGCAGCGCAAAAGCTACAGATCTATTATCAATTTCTGTCATCTGAATA 120
DB 244 CCTCAACAGCAGCGCAAAAGCTACAGATCTATTATCAATTTCTGTCATCTTAATA 303
QY 121 TGTCTCTTGCTGATCTGTATCATGCGTATGCTTCTCTGA 159
DB 304 TGTCTCTTGCTGATCTGTATCATGCGTATGCTTCTCTGA 342
RESULT 58
LOCUS BP258858 565 bp mRNA linear EST 16-SEP-2004
DEFINITION BP258858 Sugano cDNA library, heart Homo sapiens cDNA clone
HR04753, mRNA sequence.
ACCESSION BP258858
VERSION BP258858.1 GI:52174088
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
Homidae; Homo.
REFERENCE Suzuki,Y., Yamashita,R., Shirota,M., Sakakibara,Y., Chiba,J.,
AUTHORS Mizushima-Sugano,J., Nakai,K. and Sugano,S.
TITLE Sequence comparison of human and mouse genes reveals a homologous
block structure in the promoter regions
JOURNAL Genome Res. 14 (9), 1711-1718 (2004)
PUBMED 15342556
COMMENT Contact: Yutaka Suzuki
Department of Virology
Institute of Medical Science, University of Tokyo
4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan
Email: yusuzuki@ims.u-tokyo.ac.jp.
FEATURES
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/organism="Homo sapiens"
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/clone="HR04753"
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Query Match 99.0%; Score 157.4; DB 3; Length 565;
Best Local Similarity 99.4%; Pred. No. 2.5e-35;
Matches 158; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1 ATGGAAGAAGTCGAATACCTCACTGCTCAGCTATAGAGAGCCTCAACCATTTGAATG 60
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QY 61 CCTCAACAAGCAGCTCAAAAGCTACAGATCTATTATTCATCTGCTCATCTGAATA 120
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Db 219 CCTCAACAAGCAGCTCAAAAGCTACAGATCTATTATTCATCTGCTCATCTGAATA 278
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QY 121 TGTCTTGTGCTGATCTGATCATCTGATGATGCTTCTCTGA 159
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Db 279 TGTCTTGTGCTGATCTGATCATCTGATGATGCTTCTCTGA 317
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RESULT 59
BP260005
LOCUS BP260005 Sugano cDNA library, heart Homo sapiens cDNA clone
DEFINITION HRT08496, mRNA sequence.
ACCESSION BP260005
VERSION BP260005.1 GI:52175235
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens

REFERENCE
AUTHORS Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
Hominidae; Homo.
1 (bases 1 to 565)
Suzuki, Y., Yamashita, R., Shirota, M., Sakakibara, Y., Chiba, J.,
Mizushima-Sugano, J., Nakai, K. and Sugano, S.
Sequence comparison of human and mouse genes reveals a homologous
block structure in the promoter regions
Genome Res. 14 (9), 1711-1718 (2004)
JOURNAL PUBMED 15342556
COMMENT Contact: Yutaka Suzuki
Department of Virology
Institute of Medical Science, University of Tokyo
4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan
Email: yusuzuki@ims.u-tokyo.ac.jp.

FEATURES
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/clone="HRT08496"
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Best Local Similarity 99.4%; Pred. No. 2.5e-35;
Matches 158; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 ATGGAGAAAGTCATACCTCACTCGCTCAGCTATTAAGAAGCCTCAACCATTTGAATG 60
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Db 163 ATGGAGAAAGTCATACCTCACTCGCTCAGCTATTAAGAAGCCTCAACCATTTGAATG 222
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Db 223 CCTCAACAAGCAGCTCAAAAGCTACAGATCTATTATTCATCTGCTCATCTGAATA 282
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QY 121 TGTCTTGTGCTGATCTGATCATCTGATGATGCTTCTCTGA 159
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Db 283 TGTCTTGTGCTGATCTGATCATCTGATGATGCTTCTCTGA 321
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RESULT 60
AL600027
LOCUS AL600027 566 bp mRNA linear EST 04-SEP-2003
DEFINITION DKFZP31300131.r1.313 (synonym: h1cc2) Homo sapiens cDNA clone
DKFZP31300131.5, mRNA sequence.
ACCESSION AL600027
VERSION AL600027.1 GI:15163315
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens

REFERENCE
AUTHORS Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
Hominidae; Homo.
1 (bases 1 to 566)
Suzuki, Y., Yamashita, R., Shirota, M., Sakakibara, Y., Chiba, J.,
Mizushima-Sugano, J., Nakai, K. and Sugano, S.
Sequence comparison of human and mouse genes reveals a homologous
block structure in the promoter regions
Genome Res. 14 (9), 1711-1718 (2004)
JOURNAL PUBMED 15342556
COMMENT Contact: Yutaka Suzuki
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Institute of Medical Science, University of Tokyo
4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan
Email: yusuzuki@ims.u-tokyo.ac.jp.

REFERENCE
AUTHORS Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
Hominidae; Homo.
1 (bases 1 to 566)
Wambutt, R., Haubner, D., Mewes, W., Weil, B. and Wiemann, S.
EST (Wambutt, R., Haubner, D., Mewes, H.W., Weil, B. and Wiemann, S.)
Unpublished (1999)
CONTACT: MIPS
MIPS
Ingolstaedter Landstr.1, D-85764 Neuherberg, Germany
This is the 5' sequence of the clone insert
Clone from S. Wiemann, Molecular Genome Analysis, German Cancer
Research Center (DKFZ); Email s.wiemann@dkfz-heidelberg.de;
sequenced by HGOMA (Berlin/Germany) within the cDNA sequencing
consortium of the German Genome Project.
No sl sequence available.
This clone (DKFZP31300131) is available at the RZPD in Berlin.
Please contact the RZPD: Ressourcenzentrum, Heubnerweg 6, 14059
Berlin-Charlottenburg, GERMANY; Email: clone@rzpd.de.
Location/Qualifiers
1..566
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="DKFZP31300131"
/dev_stage="adult"
/lab_host="DH10B"
/clone_lib="313 (synonym: h1cc2)"
/note="Vector: pTriplex2; Site_1: SfiIA; Site_2: SfiIB;
cDNA-collection"

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Query Match 99.0%; Score 157.4; DB 1; Length 566;
Best Local Similarity 99.4%; Pred. No. 2.5e-35;
Matches 158; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 ATGGAGAAAGTCATACCTCACTCGCTCAGCTATTAAGAAGCCTCAACCATTTGAATG 60
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Db 163 ATGGAGAAAGTCATACCTCACTCGCTCAGCTATTAAGAAGCCTCAACCATTTGAATG 222
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QY 61 CCTCAACAAGCAGCTCAAAAGCTACAGATCTATTATTCATCTGCTCATCTGAATA 120
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Db 223 CCTCAACAAGCAGCTCAAAAGCTACAGATCTATTATTCATCTGCTCATCTGAATA 282
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QY 121 TGTCTTGTGCTGATCTGATCATCTGATGATGCTTCTCTGA 159
|||||
Db 283 TGTCTTGTGCTGATCTGATCATCTGATGATGCTTCTCTGA 321
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RESULT 61
BP259059
LOCUS BP259059 566 bp mRNA linear EST 16-SEP-2004
DEFINITION BP259059 Sugano cDNA library, heart Homo sapiens cDNA clone
HRT05457, mRNA sequence.
ACCESSION BP259059
VERSION BP259059.1 GI:52174289
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens

REFERENCE
AUTHORS Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
Hominidae; Homo.
1 (bases 1 to 566)
Suzuki, Y., Yamashita, R., Shirota, M., Sakakibara, Y., Chiba, J.,
Mizushima-Sugano, J., Nakai, K. and Sugano, S.
Sequence comparison of human and mouse genes reveals a homologous
block structure in the promoter regions
Genome Res. 14 (9), 1711-1718 (2004)
JOURNAL PUBMED 15342556
COMMENT Contact: Yutaka Suzuki
Department of Virology
Institute of Medical Science, University of Tokyo
4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan
Email: yusuzuki@ims.u-tokyo.ac.jp.

FEATURES	Location/Qualifiers
SOURCE	1..566
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	/clone_lib="Sugano cDNA library, heart"
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Query Match	99.0%; Score 157.4; DB 3; Length 566;
Best Local Similarity	99.4%; Pred. No. 2.5e-35;
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QY	1 ATGAGAAAGTCCATATCCTCACTCGCTAGCTATTAAGAAGAGCCTCAACCATTTGAATG 60
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DB	223 CCTCAACAGACGCGCAAAAGCTACAGAACTATTATCAATTTCTGTCATCTTAATA 282
QY	121 TGTCCTTGCTGATCTGATCATGCGTAGTGGCTTCTGA 159
DB	283 TGTCCTTGCTGATCTGATCATGCGTAGTGGCTTCTGA 321
RESULT 62	
BP260148	
LOCUS	BP260148 566 bp mRNA linear EST 16-SEP-2004
DEFINITION	BP260148 Sugano cDNA library, heart Homo sapiens cDNA clone
ACCESSION	BP260148
VERSION	BP260148.1 GI:52175379
KEYWORDS	EST.
SOURCE	Homo sapiens (human)
ORGANISM	Homo sapiens
	Eukaryota; Metazoa; Chordata; Craniata; Vertebrate; Euteleostomi; Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae; Homo.
REFERENCE	1 (bases 1 to 566)
AUTHORS	Suzuki,Y., Yamashita,R., Shirota,M., Sakakibara,Y., Chiba,J., Mizushima-Sugano,J., Nakai,K. and Sugano,S.
TITLE	Sequence comparison of human and mouse genes reveals a homologous block structure in the promoter regions
JOURNAL	Genome Res. 14 (9), 1711-1718 (2004)
PUBMED	15342556
COMMENT	Contact: Yutaka Suzuki Department of Virology Institute of Medical Science, University of Tokyo 4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan Email: yensuki@ims.u-tokyo.ac.jp.
FEATURES	Location/Qualifiers
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	/clone="HRT08884"
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Query Match	99.0%; Score 157.4; DB 3; Length 566;
Best Local Similarity	99.4%; Pred. No. 2.5e-35;
Matches 158; Conservative	0; Mismatches 1; Indels 0; Gaps 0;
QY	1 ATGAGAAAGTCCATATCCTCACTCGCTAGCTATTAAGAAGAGCCTCAACCATTTGAATG 60
DB	184 ATGAGAAAGTCCATATCCTCACTCGCTAGCTATTAAGAAGAGCCTCAACCATTTGAATG 243
QY	61 CCTCAACAGACGCGCAAAAGCTACAGAACTATTATCAATTTCTGTCATCTGAATA 120
DB	244 CCTCAACAGACGCGCAAAAGCTACAGAACTATTATCAATTTCTGTCATCTTAATA 303

Oy	121	TGTCCTTGATCTGATCTGATCATGATGCTTCTCGA	159
Db	304	TGTCCTTGATCTGATCTGATCATGATGCTTCTCGA	342

RESULT 63			
LOCUS	BP257381		
DEFINITION	BP257381 Sugano cDNA library, heart Homo sapiens cDNA clone		
ACCESSION	BP257381		
VERSION	BP257381.1		
KEYWORDS	EST.		
SOURCE	Homo sapiens (human)		
ORGANISM	Homo sapiens		
AUTHORS	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae; Homo.		
REFERENCE	1 (bases 1 to 567)		
AUTHORS	Suzuki,Y., Yamashita,R., Shirota,M., Sakakibara,Y., Chiba,J.,		
TITLE	Mitsushima,Sugano,J., Nakai,K. and Sugano,S.		
JOURNAL	Sequence comparison of human and mouse genes reveals a homologous		
PUBMED	block structure in the promoter regions		
COMMENT	Genome Res. 14 (9), 1711-1718 (2004)		
	Contact: Yutaka Suzuki		
	Department of Virology		
	Institute of Medical Science, University of Tokyo		
	4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan		
	Email: yusuzuki@ims.u-tokyo.ac.jp.		
FEATURES	location/Qualifiers		
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Best local similarity	99.4%; Pred. No. 2.5e-35;		
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Oy	1	ATGGAAGAAGCCCAATCTCTACCTGCTCGCTTAAGAAGGCTCAACCATTTGAATG	60
Db	163	ATGGAAGAAGCCCAATCTCTACCTGCTCGCTTAAGAAGGCTCAACCATTTGAATG	222
Oy	61	CCTGAAGAAGGCTCAACCATTTGAATGCTGCTCATCTGATA	120
Db	223	CCTGAAGAAGGCTCAACCATTTGAATGCTGCTCATCTGATA	282
Oy	121	TGTCCTTGATCTGATCATGATGCTTCTCGA	159
Db	283	TGTCCTTGATCTGATCATGATGCTTCTCGA	321

RESULT 64	
LOCUS	BP258471
DEFINITION	BP258471 Sugano cDNA library, heart Homo sapiens cDNA clone
ACCESSION	BP258471
VERSION	BP258471.1
KEYWORDS	EST.
SOURCE	Homo sapiens (human)
ORGANISM	Homo sapiens
AUTHORS	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae; Homo.
REFERENCE	1 (bases 1 to 567)
AUTHORS	Suzuki,Y., Yamashita,R., Shirota,M., Sakakibara,Y., Chiba,J.,

TITLE Mizushima-Sugano,J., Nakai,K. and Sugano,S.
Sequence comparison of human and mouse genes reveals a homologous
block structure in the promoter regions
JOURNAL Genome Res. 14 (9), 1711-1718 (2004)
PUBMED 15342556
COMMENT Contact: Yutaka Suzuki
Department of Virology
Institute of Medical Science, University of Tokyo
4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan
Email: yusuzuki@ims.u-tokyo.ac.jp.
Location/Qualifiers

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ORIGIN

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QY 1 ATGGAGAAAGTCCATACCTGCTGCTGAGCTATTAAGAAGCCTCAACCATTTGAATG 60
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Db 163 ATGGAGAAAGTCCATACCTGCTGCTGAGCTATTAAGAAGCCTCAACCATTTGAATG 222
61 CCTCAACAAGCAGCTCAAAAGCTACAGAAATCTATTATCAATTTCTGCTCATCTGAATA 120
223 CCTCAACAAGCAGCTCAAAAGCTACAGAAATCTATTATCAATTTCTGCTCATCTTAATA 282
QY 121 TGTCTCTTGCTGATCTGTATCATCTGATGCTTCTCTGA 159
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Db 283 TGTCTCTTGCTGATCTGTATCATCTGATGCTTCTCTGA 321

RESULT 65
BP260314 567 bp mRNA linear EST 16-SRP-2004
LOCUS BP260314 Sugano cDNA library, heart Homo sapiens cDNA clone
DEFINITION HRT09485, mRNA sequence.
ACCESSION BP260314
VERSION BP260314.1 GI:52175545
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
Homniidae; Homo
1 (bases 1 to 567)
Suzuki,Y., Yamashita,R., Shirota,M., Sakakibara,Y., Chiba,J.,
Mizushima-Sugano,J., Nakai,K. and Sugano,S.
Sequence comparison of human and mouse genes reveals a homologous
block structure in the promoter regions
Genome Res. 14 (9), 1711-1718 (2004)
Contact: Yutaka Suzuki
Department of Virology
Institute of Medical Science, University of Tokyo
4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan
Email: yusuzuki@ims.u-tokyo.ac.jp.
Location/Qualifiers

FEATURES
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1..567
/organism="Homo sapiens"
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ORIGIN

Query Match 99.0%; Score 157.4; DB 3; Length 567;
Best Local Similarity 99.4%; Pred.No.2.5e-35;
Matches 158; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Best Local Similarity 99.4%; Pred.No.2.5e-35;
Matches 158; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 ATGGAGAAAGTCCATACCTGCTGCTGAGCTATTAAGAAGCCTCAACCATTTGAATG 60
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Db 186 ATGGAGAAAGTCCATACCTGCTGCTGAGCTATTAAGAAGCCTCAACCATTTGAATG 245
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246 CCTCAACAAGCAGCTCAAAAGCTACAGAAATCTATTATCAATTTCTGCTCATCTTAATA 305
Db 306 TGTCTCTTGCTGATCTGTATCATCTGATGCTTCTCTGA 344
QY 121 TGTCTCTTGCTGATCTGTATCATCTGATGCTTCTCTGA 159
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Db 306 TGTCTCTTGCTGATCTGTATCATCTGATGCTTCTCTGA 344

RESULT 66
BP257983 568 bp mRNA linear EST 16-SRP-2004
LOCUS BP257983 Sugano cDNA library, heart Homo sapiens cDNA clone
DEFINITION HRT02348, mRNA sequence.
ACCESSION BP257983
VERSION BP257983.1 GI:52173213
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
Homniidae; Homo
1 (bases 1 to 568)
Suzuki,Y., Yamashita,R., Shirota,M., Sakakibara,Y., Chiba,J.,
Mizushima-Sugano,J., Nakai,K. and Sugano,S.
Sequence comparison of human and mouse genes reveals a homologous
block structure in the promoter regions
Genome Res. 14 (9), 1711-1718 (2004)
Contact: Yutaka Suzuki
Department of Virology
Institute of Medical Science, University of Tokyo
4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan
Email: yusuzuki@ims.u-tokyo.ac.jp.
Location/Qualifiers

FEATURES
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/organism="Homo sapiens"
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ORIGIN

Query Match 99.0%; Score 157.4; DB 3; Length 568;
Best Local Similarity 99.4%; Pred.No.2.5e-35;
Matches 158; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 ATGGAGAAAGTCCATACCTGCTGCTGAGCTATTAAGAAGCCTCAACCATTTGAATG 60
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Db 163 ATGGAGAAAGTCCATACCTGCTGCTGAGCTATTAAGAAGCCTCAACCATTTGAATG 222
61 CCTCAACAAGCAGCTCAAAAGCTACAGAAATCTATTATCAATTTCTGCTCATCTGAATA 120
223 CCTCAACAAGCAGCTCAAAAGCTACAGAAATCTATTATCAATTTCTGCTCATCTTAATA 282
QY 121 TGTCTCTTGCTGATCTGTATCATCTGATGCTTCTCTGA 159
|||||
Db 283 TGTCTCTTGCTGATCTGTATCATCTGATGCTTCTCTGA 321

RESULT 67
BP258837 568 bp mRNA linear EST 16-SRP-2004
LOCUS BP258837 Sugano cDNA library, heart Homo sapiens cDNA clone
DEFINITION HRT04703, mRNA sequence.

ACCESSION BP258837 GI:52174067
 VERSION BP258837.1
 KEYWORDS EST
 SOURCE Homo sapiens (human)
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Homiidae; Homo.
 REFERENCE 1 (bases 1 to 568)
 AUTHORS Suzuki,Y., Yamashita,R., Shirota,M., Sakakibara,Y., Chiba,J., Mizushima-Sugano,J., Nakai,K. and Sugano,S.
 TITLE Sequence comparison of human and mouse genes reveals a homologous block structure in the promoter regions
 JOURNAL Genome Res. 14 (9), 1711-1718 (2004)
 PUBMED 15342556
 COMMENT Contact: Yutaka Suzuki
 Department of Virology
 Institute of Medical Science, University of Tokyo
 4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan
 Email: yusuzuki@ims.u-tokyo.ac.jp.
 FEATURES
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 /organism="Homo sapiens"
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 Query Match 99.0%; Score 157.4; DB 3; Length 568;
 Best Local Similarity 99.4%; Pred. No. 2.5e-35;
 Matches 158; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 Oy 1 ATGGAGAAAGTCATACCTCACTCGCTCAGCTATNAGAAGCCTCAACCATTTGAATG 60
 Db 184 ATGGAGAAAGTCATACCTCACTCGCTCAGCTATNAGAAGCCTCAACCATTTGAATG 243
 Oy 61 CCTCAACAGCAGCGTCAAAAGCTACAGATCTATTATCAATTTCTGCTCATCTGAATA 120
 Db 244 CCTCAACAGCAGCGTCAAAAGCTACAGATCTATTATCAATTTCTGCTCATCTTAATA 303
 Oy 121 TGTCTCTTGCTGATCTGTATCATCGTGATGCTTCTCTGA 159
 Db 304 TGTCTCTTGCTGATCTGTATCATCGTGATGCTTCTCTGA 342
 RESULT 68
 BP259285 568 bp mRNA linear EST 16-SEP-2004
 LOCUS BP259285 Sugano cDNA library, heart Homo sapiens cDNA clone
 DEFINITION HRT06106, mRNA sequence.
 ACCESSION BP259285
 VERSION BP259285.1 GI:52174515
 KEYWORDS EST.
 SOURCE Homo sapiens (human)
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Homiidae; Homo.
 REFERENCE 1 (bases 1 to 568)
 AUTHORS Suzuki,Y., Yamashita,R., Shirota,M., Sakakibara,Y., Chiba,J., Mizushima-Sugano,J., Nakai,K. and Sugano,S.
 TITLE Sequence comparison of human and mouse genes reveals a homologous block structure in the promoter regions
 JOURNAL Genome Res. 14 (9), 1711-1718 (2004)
 PUBMED 15342556
 COMMENT Contact: Yutaka Suzuki
 Department of Virology
 Institute of Medical Science, University of Tokyo
 4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan
 Email: yusuzuki@ims.u-tokyo.ac.jp.
 FEATURES
 Location/Qualifiers

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 Best Local Similarity 99.4%; Pred. No. 2.5e-35;
 Matches 158; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 Oy 1 ATGGAGAAAGTCATACCTCACTCGCTCAGCTATNAGAAGCCTCAACCATTTGAATG 60
 Db 195 ATGGAGAAAGTCATACCTCACTCGCTCAGCTATNAGAAGCCTCAACCATTTGAATG 254
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 Db 255 CCTCAACAGCAGCGTCAAAAGCTACAGATCTATTATCAATTTCTGCTCATCTTAATA 314
 Oy 121 TGTCTCTTGCTGATCTGTATCATCGTGATGCTTCTCTGA 159
 Db 315 TGTCTCTTGCTGATCTGTATCATCGTGATGCTTCTCTGA 353
 RESULT 69
 BP257604 569 bp mRNA linear EST 16-SEP-2004
 LOCUS BP257604 Sugano cDNA library, heart Homo sapiens cDNA clone
 DEFINITION HRT01347, mRNA sequence.
 ACCESSION BP257604
 VERSION BP257604.1 GI:52172834
 KEYWORDS EST.
 SOURCE Homo sapiens (human)
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Homiidae; Homo.
 REFERENCE 1 (bases 1 to 569)
 AUTHORS Suzuki,Y., Yamashita,R., Shirota,M., Sakakibara,Y., Chiba,J., Mizushima-Sugano,J., Nakai,K. and Sugano,S.
 TITLE Sequence comparison of human and mouse genes reveals a homologous block structure in the promoter regions
 JOURNAL Genome Res. 14 (9), 1711-1718 (2004)
 PUBMED 15342556
 COMMENT Contact: Yutaka Suzuki
 Department of Virology
 Institute of Medical Science, University of Tokyo
 4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan
 Email: yusuzuki@ims.u-tokyo.ac.jp.
 FEATURES
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 /clone="HRT01347"
 /tissue_type="heart"
 /clone_lib="Sugano cDNA library, heart"
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 Best Local Similarity 99.4%; Pred. No. 2.5e-35;
 Matches 158; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 Oy 1 ATGGAGAAAGTCATACCTCACTCGCTCAGCTATNAGAAGCCTCAACCATTTGAATG 60
 Db 163 ATGGAGAAAGTCATACCTCACTCGCTCAGCTATNAGAAGCCTCAACCATTTGAATG 222
 Oy 61 CCTCAACAGCAGCGTCAAAAGCTACAGATCTATTATCAATTTCTGCTCATCTGAATA 120
 Db 223 CCTCAACAGCAGCGTCAAAAGCTACAGATCTATTATCAATTTCTGCTCATCTTAATA 282

Oy	121	TGTCCTTGCGATCTGATCATGTGTAAGTCTCTGA	159
Dd	283	TGTCCTTGCGATCTGATCATGTGTAAGTCTCTGA	321

RESULT 70	BP258334	569 bp	mRNA	linear	EST 16-SEP-2004
LOCUS	BP258334				
DEFINITION	BP2583334 Sugano cDNA library, heart Homo sapiens cDNA clone				
ACCESSION	HRU03219, mRNA sequence.				
VERSION	BP258334				
KEYWORDS	BP258334.1 GI:52173564 EST.				
SOURCE	Homo sapiens (human)				
ORGANISM	Homo sapiens				
	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;				
	Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;				
	Hominidae; Homo.				
REFERENCE	1 (bases 1 to 569)				
AUTHORS	Suzuki,Y., Yamashita,R., Shiota,M., Sakakibara,Y., Chida,T.,				
	Mizushima-Sugano,J., Nakai,K. and Sugano,S.				
TITLE	Sequence comparison of human and mouse genes reveals a homologous				
JOURNAL	block structure in the promoter regions				
PUBMED	Genome Res. 14 (9), 1711-1718 (2004)				
COMMENT	15342556				
	Contact: Yutaka Suzuki				
	Department of Virology				
	Institute of Medical Science, University of Tokyo				
	4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan				
	Email: yusuzuki@ims.u-tokyo.ac.jp.				
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Query Match	99.0%; Score 157.4; DB 3; Length 569;
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Matches 158; Conservative	0; Mismatches 1; Indels 0; Gaps 0;

Oy	1	ATGGAGAAGTCCAAATCCTCACTGCTGCAGCTATTAGAGAAGCCTCAACATTGAATG	60
Dd	163	ATGGAGAAGTCCAAATCCTCACTGCTGCAGCTATTAGAGAAGCCTCAACATTGAATG	222
Oy	61	CCTCAACAAGACGCTCAAAAGCTACAGAATCTATTATCAATTCTTGCTCATCGAATA	120
Dd	223	CCTCAACAAGACGCTCAAAAGCTACAGAATCTATTATCAATTCTTGCTCATCTTATA	282
Oy	121	TGTCCTTGCGATCTGATCATGTGTAAGTCTCTCTGA	159
Dd	283	TGTCCTTGCGATCTGATCATGTGTAAGTCTCTCTGA	321

RESULT 71	BP258723	569 bp	mRNA	linear	EST 16-SEP-2004
LOCUS	BP258723				
DEFINITION	BP258723 Sugano cDNA library, heart Homo sapiens cDNA clone				
ACCESSION	HRU04382, mRNA sequence.				
VERSION	BP258723				
KEYWORDS	BP258723.1 GI:52173953 EST.				
SOURCE	Homo sapiens (human)				
ORGANISM	Homo sapiens				
	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;				
	Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;				
	Hominidae; Homo.				
REFERENCE	1 (bases 1 to 569)				
AUTHORS	Suzuki,Y., Yamashita,R., Shiota,M., Sakakibara,Y., Chida,T.,				
	Mizushima-Sugano,J., Nakai,K. and Sugano,S.				

TITLE	Sequence comparison of human and mouse genes reveals a homologous block structure in the promoter regions			
JOURNAL	Genome Res. 14 (9), 1711-1718 (2004)			
PUBMED	15342556			
COMMENT	Contact: Yutaka Suzuki Department of Virology Institute of Medical Science, University of Tokyo 4-6-1, Shirokane-dai, Minato-ku, Tokyo 108-8639, Japan Email: yusuzuki@ims.u-tokyo.ac.jp. Location/Qualifiers			
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ORIGIN	1..569 /organism="Homo sapiens" /mol_type="mRNA" /db_xref="taxon:9606" /clone="HRT04382" /issue_type="heart" /clone_lib="Sugano cDNA library, heart"			
Query Match	99.0%;	Score 157.4;	DB 3;	Length 569;
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Qy	1 ATGAGGAAGTCCATATCTCATCGGTGAGCTATAAGAGGCTCACATTGAATG 60 199 ATGAGGAAGTCCATATCTCATCGGTGAGCTATAAGAGGCTCACATTGAATG 258 61 CCTCAACAGACGTCACAAAGCTACAGAACTATTATTCATTTCTGTCATCGAAT 120 259 CCTCAACAGACGTCACAAAGCTACAGAACTATTATTCATTTCTGTCATCGAAT 318 Qy 121 TGTCCTTGCTGATCTGTATCATCGTATGCTTCTCGA 159 Db 319 TGTCCTTGCTGATCTGTATCATCGTATGCTTCTCGA 357			
RESULT 72	BP259517 569 bp mRNA linear EST 16-SEP-2004			
LOCUS	BP259517 Sugano cDNA library, heart Homo sapiens cDNA clone			
DEFINITION	BP259517 Sugano cDNA library, heart Homo sapiens cDNA clone			
ACCESSION	BP259517			
VERSION	BP259517.1 GI:52174747			
KEYWORDS	EST.			
SOURCE	Homo sapiens (human)			
ORGANISM	Homo sapiens			
REFERENCE	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Homnidae; Homo.			
AUTHORS	1 (bases 1 to 569) Suzuki,Y., Yamashita,R., Shiota,M., Sakakibara,Y., Chiba,U., Mizushima-Sugano,U., Nakai,K. and Sugano,S.			
TITLE	Sequence comparison of human and mouse genes reveals a homologous block structure in the promoter regions			
JOURNAL	Genome Res. 14 (9), 1711-1718 (2004)			
PUBMED	15342556			
COMMENT	Contact: Yutaka Suzuki Department of Virology Institute of Medical Science, University of Tokyo 4-6-1, Shirokane-dai, Minato-ku, Tokyo 108-8639, Japan Email: yusuzuki@ims.u-tokyo.ac.jp. Location/Qualifiers			
FEATURES	source			
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Best Local Similarity	99.4%;	Pred. No. 2.5e-35;		

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QY	1	ATGAGAGAAGTCGAATACCTCACTGCTAGCTATATAGAGAGCCTCAACCAATTGAATG	60						
DB	184	ATGAGAGAAGTCGAATACCTCACTGCTAGCTATATAGAGAGCCTCAACCAATTGAATG	243						
QY	61	CCTCAACAAGCAGCGTCAAAAGCTACAGATCTATATTAATTTGCTGCATCTGAATA	120						
DB	244	CCTCAACAAGCAGCGTCAAAAGCTACAGATCTATATTAATTTGCTGCATCTTAATA	303						
QY	121	TGTCCTTGCTGATCTGTATCATTCGTGATGCTTCTCTGA	159						
DB	304	TGTCCTTGCTGATCTGTATCATTCGTGATGCTTCTCTGA	342						
RESULT 73									
BP259093									
LOCUS	BP259093	570 bp	mRNA	linear	EST 16-SEP-2004				
DEFINITION	BP259093 Sugano cDNA library, heart Homo sapiens cDNA clone								
ACCESSION	BP259093								
VERSION	BP259093.1	GI:52174323							
KEYWORDS	EST.								
SOURCE	Homo sapiens (human)								
ORGANISM	Homo sapiens								
REFERENCE	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;								
AUTHORS	Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;								
	Homniidae; Homo.								
	1 (bases 1 to 570)								
TITLE	Suzuki,Y., Yamashita,R., Shiota,M., Sakakibara,Y., Chiba,J.,								
	Mizushima-Sugano,J., Nakai,K. and Sugano,S.								
JOURNAL	Sequence comparison of human and mouse genes reveals a homologous								
PUBMED	block structure in the promoter regions								
COMMENT	Genome Res. 14 (9), 1711-1718 (2004)								
	15342556								
	Contact: Yutaka Suzuki								
	Department of Virology								
	Institute of Medical Science, University of Tokyo								
	4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan								
	Email: yusuzuki@ims.u-tokyo.ac.jp.								
FEATURES	location/Qualifiers								
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Best Local Similarity	99.4%;	Pred. No. 2.5e-35;							
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QY	1	ATGAGAGAAGTCGAATACCTCACTGCTAGCTATATAGAGAGCCTCAACCAATTGAATG	60						
DB	193	ATGAGAGAAGTCGAATACCTCACTGCTAGCTATATAGAGAGCCTCAACCAATTGAATG	252						
QY	61	CCTCAACAAGCAGCGTCAAAAGCTACAGATCTATATTAATTTGCTGCATCTGAATA	120						
DB	253	CCTCAACAAGCAGCGTCAAAAGCTACAGATCTATATTAATTTGCTGCATCTTAATA	312						
QY	121	TGTCCTTGCTGATCTGTATCATTCGTGATGCTTCTCTGA	159						
DB	313	TGTCCTTGCTGATCTGTATCATTCGTGATGCTTCTCTGA	351						
RESULT 74									
BP257806									
LOCUS	BP257806	571 bp	mRNA	linear	EST 16-SEP-2004				
DEFINITION	BP257806 Sugano cDNA library, heart Homo sapiens cDNA clone								
	HR101924, mRNA sequence.								
ACCESSION	BP257806								

VERSION	BP257806.1	GI:52173036
KEYWORDS	EST.	Homo sapiens (human)
SOURCE	Homo sapiens	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
ORGANISM	Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;	
REFERENCE	Hominidae; Homo.	
AUTHORS	1 (bases 1 to 571) Suzuki,Y., Yamashita,R., Shiota,M., Sakakibara,Y., Chiba,J., Mizushima-Sugano,J., Nakai,K. and Sugano,S. Sequence comparison of human and mouse genes reveals a homologous block structure in the promoter regions Genome Res. 14 (9), 1711-1718 (2004)	
JOURNAL	Contact: Yutaka Suzuki	
PUBMED	Institute of Medical Science, University of Tokyo Department of Virology 4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan Email: yusuzuki@ims.u-tokyo.ac.jp.	
FEATURES	Location/Qualifiers	
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Oy	1 ATGAGAAGCGCATATCCTCACTCCGTGCACACTAAGAAGAGCCTCACCATGAATG 60 195 ATGAGAAAGTCATACTTACCCTTGCTGGTTTAAGAGAGCCTCAACCATGAATTG 254 61 CCTCAACAAGCAGCTCAAAGCTACAGATCTATTTCATTTCTGTCATCTGATA 120 Db 255 CCTCAACAAGCAGCTCAAAGCTACAGATCTATTTCATTTCTGTCATCTTATA 314 Oy 121 TGCTCTTCTGATCTGTATCATCTGGTAGTCTTCTCGA 159 Db 315 TGTCTCTGTGATCTGTATCATCTGTATGATGCTTCTCGA 353	
RESULT_75	BP258451	571 bp mRNA linear EST 16-SEP-2004
LOCUS	BP258451	
DEFINITION	BP258451 Sugano cDNA library, heart Homo sapiens cDNA clone	
ACCESSION	HP03478,	mRNA sequence.
VERSION	BP258451	
KEYWORDS	BP258451.1 GI:52173681	EST.
SOURCE	Homo sapiens (human)	
ORGANISM	Homo sapiens	
COMMENT	Eukarya; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Homnidae; Homo. 1 (bases 1 to 571) Suzuki,Y., Yamashita,R., Shiota,M., Sakakibara,Y., Chiba,J., Mizushima-Sugano,J., Nakai,K. and Sugano,S. Sequence comparison of human and mouse genes reveals a homologous block structure in the promoter regions Genome Res. 14 (9), 1711-1718 (2004) Contact: Yutaka Suzuki Institute of Medical Science, University of Tokyo 4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan Email: yusuzuki@ims.u-tokyo.ac.jp. Location/Qualifiers . .571	
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Query Match 99.0%; Score 157.4; DB 3; Length 571;
Best Local Similarity 99.4%; Pred. No. 2.5e-35;
Matches 158; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 ATGGAAGAAGTCCATACCTCACTCGCTCAGCTATTAAGAAGCCCTCAACCATTTGAATG 60
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DB 212 ATGGAAGAAGTCCATACCTCACTCGCTCAGCTATTAAGAAGCCCTCAACCATTTGAATG 271
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QY 61 CCTCAACAAGCAGCTCAAAAGCTACAGAACTATTATCAATTTCTGTCTCATCTGAATA 120
272 CCTCAACAAGCAGCTCAAAAGCTACAGAACTATTATCAATTTCTGTCTCATCTTAATA 331
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QY 121 TGTCTCTTGCTGATCTGTATCATCGTGATGCTTCTCTGA 159
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DB 332 TGTCTCTTGCTGATCTGTATCATCGTGATGCTTCTCTGA 370
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RESULT 76
BP258954 571 bp mRNA linear EST 16-SEP-2004
LOCUS BP258954 Sugano cDNA library, heart Homo sapiens cDNA clone
DEFINITION HRT05061, mRNA sequence.
ACCESSION BP258954
VERSION BP258954.1 GI:52174184
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
Homniidae; Homo
1 (bases 1 to 571)
Suzuki, Y., Yamashita, R., Shiota, M., Sakakibara, Y., Chiba, J.,
Mizushima-Sugano, J., Nakai, K. and Sugano, S.
Sequence comparison of human and mouse genes reveals a homologous
block structure in the promoter regions
Genome Res. 14 (9), 1711-1718 (2004)

JOURNAL
PUBMED 15342556
COMMENT Contact: Yutaka Suzuki
Department of Virology
Institute of Medical Science, University of Tokyo
4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan
Email: yusuzuki@ims.u-tokyo.ac.jp.

FEATURES
source
1..571
/organism="Homo sapiens"
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ORIGIN

Query Match 99.0%; Score 157.4; DB 3; Length 571;
Best Local Similarity 99.4%; Pred. No. 2.5e-35;
Matches 158; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 ATGGAAGAAGTCCATACCTCACTCGCTCAGCTATTAAGAAGCCCTCAACCATTTGAATG 60
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DB 195 ATGGAAGAAGTCCATACCTCACTCGCTCAGCTATTAAGAAGCCCTCAACCATTTGAATG 254
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QY 61 CCTCAACAAGCAGCTCAAAAGCTACAGAACTATTATCAATTTCTGTCTCATCTGAATA 120
255 CCTCAACAAGCAGCTCAAAAGCTACAGAACTATTATCAATTTCTGTCTCATCTTAATA 314
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QY 121 TGTCTCTTGCTGATCTGTATCATCGTGATGCTTCTCTGA 159
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|||||
DB 315 TGTCTCTTGCTGATCTGTATCATCGTGATGCTTCTCTGA 353
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RESULT 77
BP257207 572 bp mRNA linear EST 16-SEP-2004
LOCUS BP257207 Sugano cDNA library, heart Homo sapiens cDNA clone
DEFINITION HRT00421, mRNA sequence.
ACCESSION BP257207
VERSION BP257207.1 GI:52172437
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
Homniidae; Homo
1 (bases 1 to 572)
Suzuki, Y., Yamashita, R., Shiota, M., Sakakibara, Y., Chiba, J.,
Mizushima-Sugano, J., Nakai, K. and Sugano, S.
Sequence comparison of human and mouse genes reveals a homologous
block structure in the promoter regions
Genome Res. 14 (9), 1711-1718 (2004)

JOURNAL
PUBMED 15342556
COMMENT Contact: Yutaka Suzuki
Department of Virology
Institute of Medical Science, University of Tokyo
4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan
Email: yusuzuki@ims.u-tokyo.ac.jp.

FEATURES
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ORIGIN

Query Match 99.0%; Score 157.4; DB 3; Length 572;
Best Local Similarity 99.4%; Pred. No. 2.5e-35;
Matches 158; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 ATGGAAGAAGTCCATACCTCACTCGCTCAGCTATTAAGAAGCCCTCAACCATTTGAATG 60
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DB 195 ATGGAAGAAGTCCATACCTCACTCGCTCAGCTATTAAGAAGCCCTCAACCATTTGAATG 254
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QY 61 CCTCAACAAGCAGCTCAAAAGCTACAGAACTATTATCAATTTCTGTCTCATCTGAATA 120
255 CCTCAACAAGCAGCTCAAAAGCTACAGAACTATTATCAATTTCTGTCTCATCTTAATA 314
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QY 121 TGTCTCTTGCTGATCTGTATCATCGTGATGCTTCTCTGA 159
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DB 315 TGTCTCTTGCTGATCTGTATCATCGTGATGCTTCTCTGA 353
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RESULT 78
BP260018 572 bp mRNA linear EST 16-SEP-2004
LOCUS BP260018 Sugano cDNA library, heart Homo sapiens cDNA clone
DEFINITION HRT08544, mRNA sequence.
ACCESSION BP260018
VERSION BP260018.1 GI:52175248
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
Homniidae; Homo
1 (bases 1 to 572)
Suzuki, Y., Yamashita, R., Shiota, M., Sakakibara, Y., Chiba, J.,
Mizushima-Sugano, J., Nakai, K. and Sugano, S.
Sequence comparison of human and mouse genes reveals a homologous

block structure in the promoter regions
Genome Res. 14 (9), 1711-1718 (2004)
15342556
COMMENT Contact: Yutaka Suzuki
Department of Medical Science, University of Tokyo
4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan
Email: yusuzuki@ims.u-tokyo.ac.jp.
FEATURES
Source
1..572
/organism="Homo sapiens"
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/issue_type="heart"
/clone_lib="Sugano cDNA library, heart"
ORIGIN
Query Match 99.0%; Score 157.4; DB 3; Length 572;
Best Local Similarity 99.4%; Pred.No.2.5e-35;
Matches 158; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1 ATGAGAAAGTCCAAATACCTGCTCAGCTATAGAAGAGCCTCAACCATTTGAATG 60
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DB 196 ATGAGAAAGTCCAAATACCTGCTCAGCTATAGAAGAGCCTCAACCATTTGAATG 255
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QY 61 CCTCAACAGCAGCGTCAAAAGCTACAGATCTATTATCAATTTCTGCTCATCTGAATA 120
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DB 256 CCTCAACAGCAGCGTCAAAAGCTACAGATCTATTATCAATTTCTGCTCATCTTAATA 315
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QY 121 TGTCTCTTGCTGATCTGTATCATGCTGATGCTTCTCTGA 159
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DB 316 TGTCTCTTGCTGATCTGTATCATGCTGATGCTTCTCTGA 354
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RESULT 79
BP258250 573 bp mRNA linear EST 16-SEP-2004
LOCUS BP258250 Sugano cDNA library, heart Homo sapiens cDNA clone
DEFINITION HRT03019, mRNA sequence.
ACCESSION BP258250
VERSION BP258250.1 GI:52173480
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
Homnidae; Homo.
REFERENCE 1 (bases 1 to 573)
Suzuki,Y., Yamashita,R., Shirota,M., Sakakibara,Y., Chiba,J.,
Mizushima-Sugano,J., Nakai,K. and Sugano,S.
Sequence comparison of human and mouse genes reveals a homologous
block structure in the promoter regions
Genome Res. 14 (9), 1711-1718 (2004)
JOURNAL PUBMED
COMMENT Contact: Yutaka Suzuki
Department of Medical Science, University of Tokyo
4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan
Email: yusuzuki@ims.u-tokyo.ac.jp.
FEATURES
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BP260038 573 bp mRNA linear EST 16-SEP-2004
LOCUS BP260038 Sugano cDNA library, heart Homo sapiens cDNA clone
DEFINITION HRT08582, mRNA sequence.
ACCESSION BP260038
VERSION BP260038.1 GI:52175268
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
Homnidae; Homo.
REFERENCE 1 (bases 1 to 573)
Suzuki,Y., Yamashita,R., Shirota,M., Sakakibara,Y., Chiba,J.,
Mizushima-Sugano,J., Nakai,K. and Sugano,S.
Sequence comparison of human and mouse genes reveals a homologous
block structure in the promoter regions
Genome Res. 14 (9), 1711-1718 (2004)
JOURNAL PUBMED
COMMENT Contact: Yutaka Suzuki
Department of Medical Science, University of Tokyo
4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan
Email: yusuzuki@ims.u-tokyo.ac.jp.
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Best Local Similarity 99.4%; Pred.No.2.5e-35;
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QY 1 ATGAGAAAGTCCAAATACCTGCTCAGCTATAGAAGAGCCTCAACCATTTGAATG 60
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QY 121 TGTCTCTTGCTGATCTGTATCATGCTGATGCTTCTCTGA 159
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DB 283 TGTCTCTTGCTGATCTGTATCATGCTGATGCTTCTCTGA 321
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RESULT 81
BP213150 575 bp mRNA linear EST 15-SEP-2004
LOCUS BP213150 Sugano cDNA library, cerebrum Homo sapiens cDNA clone
DEFINITION CBR06014, mRNA sequence.
ACCESSION BP213150
VERSION BP213150.1 GI:52086041

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KEYWORDS      EST.
SOURCE         Homo sapiens (human)
ORGANISM       Homo sapiens
REFERENCE      Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
AUTHORS        Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
                Homnidae; Homo.
TITLE          1 (bases 1 to 575)
               Suzuki,Y., Yamashita,R., Shiota,M., Sakakibara,Y., Chiba,J.,
               Mizushima-Sugano,J., Nakai,K. and Sugano,S.
               Sequence comparison of human and mouse genes reveals a homologous
               block structure in the promoter regions
JOURNAL        Genome Res. 14 (9), 1711-1718 (2004)
COMMENT        Contact: Yutaka Suzuki
               Department of Virology
               Institute of Medical Science, University of Tokyo
               4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan
               Email: yusuzuki@ims.u-tokyo.ac.jp.
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DB      258 CCTCAACAAGCAGCGCAAAAGCTACAGATCTATTATTAATTCTGTCTCTCGAATA 317
QY      121 TGTCTCTTGCTGATCTGATCATCGTATCGTATGCTTCTCTGA 159
DB      318 TGTCTCTTGCTGATCTGATCATCGTATCGTATGCTTCTCTGA 356

RESULT 82
BP259468      575 bp      mRNA      linear      EST 16-SEP-2004
LOCUS         BP259468 Sugano cDNA library, heart Homo sapiens cDNA clone
DEFINITION    HRT06851, mRNA sequence.
ACCESSION     BP259468
VERSION       BP259468.1 GI:52174698
KEYWORDS      EST.
SOURCE        Homo sapiens (human)
ORGANISM      Homo sapiens
REFERENCE      Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
AUTHORS        Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
                Homnidae; Homo.
TITLE          1 (bases 1 to 575)
               Suzuki,Y., Yamashita,R., Shiota,M., Sakakibara,Y., Chiba,J.,
               Mizushima-Sugano,J., Nakai,K. and Sugano,S.
               Sequence comparison of human and mouse genes reveals a homologous
               block structure in the promoter regions
JOURNAL        Genome Res. 14 (9), 1711-1718 (2004)
COMMENT        Contact: Yutaka Suzuki
               Department of Virology
               Institute of Medical Science, University of Tokyo
               4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan
               Email: yusuzuki@ims.u-tokyo.ac.jp.
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DB      256 CCTCAACAAGCAGCGCAAAAGCTACAGATCTATTATTAATTCTGTCTCTCGAATA 315
QY      121 TGTCTCTTGCTGATCTGATCATCGTATCGTATGCTTCTCTGA 159
DB      316 TGTCTCTTGCTGATCTGATCATCGTATCGTATGCTTCTCTGA 354

RESULT 83
BP258116      576 bp      mRNA      linear      EST 16-SEP-2004
LOCUS         BP258116 Sugano cDNA library, heart Homo sapiens cDNA clone
DEFINITION    HRT02654, mRNA sequence.
ACCESSION     BP258116
VERSION       BP258116.1 GI:52173346
KEYWORDS      EST.
SOURCE        Homo sapiens (human)
ORGANISM      Homo sapiens
REFERENCE      Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
AUTHORS        Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
                Homnidae; Homo.
TITLE          1 (bases 1 to 576)
               Suzuki,Y., Yamashita,R., Shiota,M., Sakakibara,Y., Chiba,J.,
               Mizushima-Sugano,J., Nakai,K. and Sugano,S.
               Sequence comparison of human and mouse genes reveals a homologous
               block structure in the promoter regions
JOURNAL        Genome Res. 14 (9), 1711-1718 (2004)
COMMENT        Contact: Yutaka Suzuki
               Department of Virology
               Institute of Medical Science, University of Tokyo
               4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan
               Email: yusuzuki@ims.u-tokyo.ac.jp.
               Location/Qualifiers
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Query Match      99.0%; Score 157.4; DB 3; Length 576;
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QY      1  ATGGAGAAAGTCCATACCTCACTGCTGCTAGCTATTAAGAAGCCTCAACCATTTGAATG 60
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Db 283 TGCTCTTGCTGATCTGATCAATCGATGATCTTCTCTGA 321

RESULT 84
BP259260 576 bp mRNA linear EST 16-SEP-2004
LOCUS BP259260 Sugano cDNA library, heart Homo sapiens cDNA clone
DEFINITION HR006035, mRNA sequence.
ACCESSION BP259260
VERSION BP259260.1 GI:52174490
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
Hominae; Homo.
REFERENCE 1 (bases 1 to 576)
Suzuki,Y., Yamashita,R., Shirota,M., Sakakibara,Y., Chiba,J.,
Mizushima-Sugano,J., Nakai,K. and Sugano,S.
Sequence comparison of human and mouse genes reveals a homologous
block structure in the promoter regions
Genome Res. 14 (9), 1711-1718 (2004)

JOURNAL
PUBMED
COMMENT Contact: Yutaka Suzuki
Department of Virology
Institute of Medical Science, University of Tokyo
4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan
Email: yusuzuki@ims.u-tokyo.ac.jp.

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Qy 1 ATGGAAGAAGTCATACCTCACTCGCTCAGCTATTAAGAGAGCCTCAACATTGAATG 60
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Db 283 TGCTCTTGCTGATCTGATATCATCGTGAATGCTTCTCTGA 321

RESULT 85
BP277592 577 bp mRNA linear EST 16-SEP-2004
LOCUS BP277592 Sugano cDNA library, kidney Homo sapiens cDNA clone
DEFINITION KDN09443, mRNA sequence.
ACCESSION BP277592
VERSION BP277592.1 GI:52191324
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
Hominae; Homo.
REFERENCE 1 (bases 1 to 577)
Suzuki,Y., Yamashita,R., Shirota,M., Sakakibara,Y., Chiba,J.,
Mizushima-Sugano,J., Nakai,K. and Sugano,S.
Sequence comparison of human and mouse genes reveals a homologous
block structure in the promoter regions

JOURNAL
PUBMED
COMMENT Contact: Yutaka Suzuki
Department of Virology
Institute of Medical Science, University of Tokyo
4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan
Email: yusuzuki@ims.u-tokyo.ac.jp.

FEATURES
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Db 325 TGCTCTTGCTGATCTGATATCATCGTGAATGCTTCTCTGA 363

RESULT 86
BP257169 578 bp mRNA linear EST 16-SEP-2004
LOCUS BP257169 Sugano cDNA library, heart Homo sapiens cDNA clone
DEFINITION HR000281, mRNA sequence.
ACCESSION BP257169
VERSION BP257169.1 GI:52172399
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
Hominae; Homo.
REFERENCE 1 (bases 1 to 578)
Suzuki,Y., Yamashita,R., Shirota,M., Sakakibara,Y., Chiba,J.,
Mizushima-Sugano,J., Nakai,K. and Sugano,S.
Sequence comparison of human and mouse genes reveals a homologous
block structure in the promoter regions
Genome Res. 14 (9), 1711-1718 (2004)

JOURNAL
PUBMED
COMMENT Contact: Yutaka Suzuki
Department of Virology
Institute of Medical Science, University of Tokyo
4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan
Email: yusuzuki@ims.u-tokyo.ac.jp.

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RESULT 87
BP257607 578 bp mRNA linear EST 16-SEP-2004
LOCUS BP257607 Sugano cDNA library, heart Homo sapiens cDNA clone
DEFINITION BP257607 Sugano cDNA library, heart Homo sapiens cDNA clone
ACCESSION BP257607
VERSION BP257607.1 GI:52172837
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
Hominidae; Homo.
REFERENCE 1 (bases 1 to 578)
AUTHORS Suzuki,Y., Yamashita,R., Shiota,M., Sakakibara,Y., Chiba,J.,
Mizushima-Sugano,J., Nakai,K. and Sugano,S.
Sequence comparison of human and mouse genes reveals a homologous
block structure in the promoter regions
Genome Res. 14 (9), 1711-1718 (2004)

JOURNAL
PUBMED 15342556
COMMENT Contact: Yutaka Suzuki
Department of Virology
Institute of Medical Science, University of Tokyo
4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan
Email: yusuzuki@ims.u-tokyo.ac.jp.
Location/Qualifiers
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RESULT 88
BP257631 578 bp mRNA linear EST 16-SEP-2004
LOCUS BP257631 Sugano cDNA library, heart Homo sapiens cDNA clone
DEFINITION BP257631 Sugano cDNA library, heart Homo sapiens cDNA clone
ACCESSION BP257631
VERSION BP257631.1 GI:52172861
KEYWORDS EST.

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SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
Hominidae; Homo.
REFERENCE 1 (bases 1 to 578)
AUTHORS Suzuki,Y., Yamashita,R., Shiota,M., Sakakibara,Y., Chiba,J.,
Mizushima-Sugano,J., Nakai,K. and Sugano,S.
Sequence comparison of human and mouse genes reveals a homologous
block structure in the promoter regions
Genome Res. 14 (9), 1711-1718 (2004)

JOURNAL
PUBMED 15342556
COMMENT Contact: Yutaka Suzuki
Department of Virology
Institute of Medical Science, University of Tokyo
4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan
Email: yusuzuki@ims.u-tokyo.ac.jp.
Location/Qualifiers
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Db 283 TGTCTCTTGCTGATCTGATCATCGTGATGCGTCTTCTCTGA 321

RESULT 89
BP259492 578 bp mRNA linear EST 16-SEP-2004
LOCUS BP259492 Sugano cDNA library, heart Homo sapiens cDNA clone
DEFINITION BP259492 Sugano cDNA library, heart Homo sapiens cDNA clone
ACCESSION BP259492
VERSION BP259492.1 GI:52174722
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
Hominidae; Homo.
REFERENCE 1 (bases 1 to 578)
AUTHORS Suzuki,Y., Yamashita,R., Shiota,M., Sakakibara,Y., Chiba,J.,
Mizushima-Sugano,J., Nakai,K. and Sugano,S.
Sequence comparison of human and mouse genes reveals a homologous
block structure in the promoter regions
Genome Res. 14 (9), 1711-1718 (2004)

JOURNAL
PUBMED 15342556
COMMENT Contact: Yutaka Suzuki
Department of Virology
Institute of Medical Science, University of Tokyo
4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan
Email: yusuzuki@ims.u-tokyo.ac.jp.
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QY 1 ATGAGAAAGTCATACCTCACTGCTCAGCTATAGAGAGCCTCAACATTGAATG 60
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LOCUS             BP257557 Sugano cDNA library, heart Homo sapiens cDNA clone
DEFINITION        HRT01241, mRNA sequence.
ACCESSION         BP257557
VERSION           BP257557.1 GI:52172787
KEYWORDS           EST.
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ORGANISM          Homo sapiens
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Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
Homnidae; Homo.
1 (bases 1 to 579)
Suzuki,Y., Yamashita,R., Shirota,M., Sakakibara,Y., Chiba,J.,
Mizushima-Sugano,J., Nakai,K. and Sugano,S.
Sequence comparison of human and mouse genes reveals a homologous
block structure in the promoter regions
Journal
Genome Res. 14 (9), 1711-1718 (2004)
Contact: Yutaka Suzuki
Department of Virology
Institute of Medical Science, University of Tokyo
4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan
Email: yusuzuki@ims.u-tokyo.ac.jp.
Location/Qualifiers

FEATURES
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Matches 158; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 ATGAGAAAGTCATACCTCACTGCTCAGCTATAGAGAGCCTCAACATTGAATG 60
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JOURNAL
Genome Res. 14 (9), 1711-1718 (2004)
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RESULT 91
BP258523          579 bp      mRNA      linear      EST 16-SEP-2004
LOCUS             BP258523 Sugano cDNA library, heart Homo sapiens cDNA clone
DEFINITION        HRT03717, mRNA sequence.
ACCESSION         BP258523
VERSION           BP258523.1 GI:52173753
KEYWORDS           EST.
SOURCE            Homo sapiens (human)
ORGANISM          Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
Homnidae; Homo.
1 (bases 1 to 579)
Suzuki,Y., Yamashita,R., Shirota,M., Sakakibara,Y., Chiba,J.,
Mizushima-Sugano,J., Nakai,K. and Sugano,S.
Sequence comparison of human and mouse genes reveals a homologous
block structure in the promoter regions
Journal
Genome Res. 14 (9), 1711-1718 (2004)
Contact: Yutaka Suzuki
Department of Virology
Institute of Medical Science, University of Tokyo
4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan
Email: yusuzuki@ims.u-tokyo.ac.jp.
Location/Qualifiers

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QY 121 TGTCTCTTGCTGATCTGTATCATGCTGATGCTTCTCTGA 159
DB 315 TGTCTCTTGCTGATCTGTATCATGCTGATGCTTCTCTGA 353

JOURNAL
Genome Res. 14 (9), 1711-1718 (2004)
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PUBMED 15342556
COMMENT Contact: Yutaka Suzuki
Department of Virology
Institute of Medical Science, University of Tokyo
4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan
Email: yusuzuki@ims.u-tokyo.ac.jp.
Location/Qualifiers

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Matches 158; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 ATGGAGAAAGTCCATACCTCACTCGCTCAGCTATATAGAGAGCTCAACATTGAATG 60
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QY 61 CCTCAACAAGCAGTCAAAAGCTACAGATCTATTATCAATTTCTGTCATCTGAATA 120
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QY 121 TGTCTCTTGCTGATCTGATCAATCGTATGCTCTTCTGA 159
Db 283 TGTCTCTTGCTGATCTGATCAATCGTATGCTCTTCTGA 321

RESULT 93
LOCUS BP259815 579 bp mRNA linear EST 16-SEP-2004
DEFINITION BP259815 Sugano cDNA library, heart Homo sapiens cDNA clone
LOCUS HRT07830, mRNA sequence.
ACCESSION BP259815
VERSION BP259815.1 GI:52175045
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Carchinhii;
Homnidae; Homo.
1 (bases 1 to 579)
Suzuki, Y., Yamashita, R., Shirota, M., Sakakibara, Y., Chiba, J.,
Mizushima-Sugano, J., Nakai, K. and Sugano, S.
Sequence comparison of human and mouse genes reveals a homologous
block structure in the promoter regions
Genome Res. 14 (9), 1711-1718 (2004)

JOURNAL
PUBMED
COMMENT Contact: Yutaka Suzuki
Department of Virology
Institute of Medical Science, University of Tokyo
4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan
Email: yusuzuki@ims.u-tokyo.ac.jp.
Location/Qualifiers

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RESULT 94
LOCUS AU310795 580 bp mRNA linear EST 19-APR-2005
DEFINITION AU310795 human 4S neuroblastoma cDNA Homo sapiens cDNA clone
LOCUS NB1a-24134 5', mRNA sequence.
ACCESSION AU310795
VERSION AU310795.1 GI:62740993
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Carchinhii;
Homnidae; Homo.
1 (bases 1 to 580)
Ohira, M., Oba, S., Nakamura, Y., Isogai, E., Kaneko, S., Hirata, T.,
Kubo, H., Goto, T., Yamada, S., Yoshida, Y., Ishii, S. and Nakagawara, A.
Construction of a neuroblastoma cDNA microarray and its use for the
expression profiling of primary neuroblastomas
Unpublished (2005)
Contract: Akira Nakagawara
Division of Biochemistry
Chiba Cancer Center Research Institute
666-2 Nipona, Chuoh-ku, Chiba 260-8717, Japan
Tel: 81-43-264-5431 (ex.5201)
Fax: 81-43-265-4459
Email: akiranaka@chiba-cs.jp.
Location/Qualifiers

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QY 1 ATGGAGAAAGTCCATACCTCACTCGCTCAGCTATATAGAGAGCTCAACATTGAATG 60
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Db 255 CCTCAACAAGCAGTCAAAAGCTACAGATCTATTATCAATTTCTGTCATCTTAATA 314
QY 121 TGTCTCTTGCTGATCTGATCAATCGTATGCTCTTCTGA 159
Db 315 TGTCTCTTGCTGATCTGATCAATCGTATGCTCTTCTGA 353

RESULT 95
LOCUS BP257104 580 bp mRNA linear EST 16-SEP-2004
DEFINITION BP257104 Sugano cDNA library, heart Homo sapiens cDNA clone
LOCUS HRT00137, mRNA sequence.
ACCESSION BP257104
VERSION BP257104.1 GI:52172334
KEYWORDS EST.

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SOURCE      Homo sapiens (human)
ORGANISM     Homo sapiens
REFERENCE    Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
AUTHORS      Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
              Homnidae; Homo.
TITLE        1 (bases 1 to 580)
              Suzuki,Y., Yamashita,R., Shirota,M., Sakakibara,Y., Chiba,J.,
              Mizushima-Sugano,J., Nakai,K. and Sugano,S.
              Sequence comparison of human and mouse genes reveals a homologous
              block structure in the promoter regions
JOURNAL      Genome Res. 14 (9), 1711-1718 (2004)
PUBMED       15342556
COMMENT      Contact: Yutaka Suzuki
              Department of Virology
              Institute of Medical Science, University of Tokyo
              4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan
              Email: yusuzuki@ims.u-tokyo.ac.jp.
              Location/Qualifiers
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1 ATGAGAAAGTCCATACCTCAGCTCAGCTATTAAGAAGAGCCTCAACCATTTGAATG 60
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161 ATGAGAAAGTCCATACCTCAGCTCAGCTATTAAGAAGAGCCTCAACCATTTGAATG 220
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61 CCTCAACAGACGCTCAAAAGCTACAGATCTATTATCAATTTCTGTCATCTGAATA 120
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121 TGTCTCTTGCTGATCTGTATCATCGTGATGCTTCTCTGA 159
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281 TGTCTCTTGCTGATCTGTATCATCGTGATGCTTCTCTGA 319
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RESULT 96
BP257141      580 bp mRNA linear EST 16-SEP-2004
LOCUS         BP257141 Sugano cDNA library, heart Homo sapiens cDNA clone
DEFINITION    HRT00237, mRNA sequence.
ACCESSION     BP257141
VERSION       BP257141.1 GI:52172371
KEYWORDS      EST.
SOURCE        Homo sapiens (human)
ORGANISM      Homo sapiens
REFERENCE      Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
AUTHORS        Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
                Homnidae; Homo.
TITLE          1 (bases 1 to 580)
                Suzuki,Y., Yamashita,R., Shirota,M., Sakakibara,Y., Chiba,J.,
                Mizushima-Sugano,J., Nakai,K. and Sugano,S.
                Sequence comparison of human and mouse genes reveals a homologous
                block structure in the promoter regions
JOURNAL        Genome Res. 14 (9), 1711-1718 (2004)
PUBMED         15342556
COMMENT        Contact: Yutaka Suzuki
                Department of Virology
                Institute of Medical Science, University of Tokyo
                4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan
                Email: yusuzuki@ims.u-tokyo.ac.jp.
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223 CCTCAACAGACGCTCAAAAGCTACAGATCTATTATCAATTTCTGTCATCTTAATA 282
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Matches 158; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

1 ATGAGAAAGTCCATACCTCAGCTCAGCTATTAAGAAGAGCCTCAACCATTTGAATG 60
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RESULT 97
BP257154      580 bp mRNA linear EST 16-SEP-2004
LOCUS         BP257154 Sugano cDNA library, heart Homo sapiens cDNA clone
DEFINITION    HRT00256, mRNA sequence.
ACCESSION     BP257154
VERSION       BP257154.1 GI:52172384
KEYWORDS      EST.
SOURCE        Homo sapiens (human)
ORGANISM      Homo sapiens
REFERENCE      Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
AUTHORS        Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
                Homnidae; Homo.
TITLE          1 (bases 1 to 580)
                Suzuki,Y., Yamashita,R., Shirota,M., Sakakibara,Y., Chiba,J.,
                Mizushima-Sugano,J., Nakai,K. and Sugano,S.
                Sequence comparison of human and mouse genes reveals a homologous
                block structure in the promoter regions
JOURNAL        Genome Res. 14 (9), 1711-1718 (2004)
PUBMED         15342556
COMMENT        Contact: Yutaka Suzuki
                Department of Virology
                Institute of Medical Science, University of Tokyo
                4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan
                Email: yusuzuki@ims.u-tokyo.ac.jp.
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PUBMED	15342556	Contact: Yutaka Suzuki
COMMENT		Department of Virology Institute of Medical Science, University of Tokyo 4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan Email: yusuzuki@ims.u-tokyo.ac.jp
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ACCESSION	HRT00353, mRNA sequence.	
VERSION	BP257191	
KEYWORDS	BP257191.1 GI:52172421	
SOURCE	EST.	
ORGANISM	Homo sapiens (human)	
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	Eukaryote; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;	
	Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;	
	Homidae; Homc.	
REFERENCE	1 (bases 1 to 580)	
AUTHORS	Suzuki, Y., Yamashita, R., Shirota, M., Sakakibara, Y., Chiba, J.,	
	Mizushima-Sugano, J., Nakai, K. and Sugano, S.	
TITLE	Sequence comparison of human and mouse genes reveals a homologous	
JOURNAL	block structure in the promoter regions	
PUBMED	Genome Res. 14 (9), 1711-1718 (2004)	
COMMENT	15342556	
	Contact: Yutaka Suzuki	
	Department of Virology	
	Institute of Medical Science, University of Tokyo	
	4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan	
	Email: yusuzuki@ims.u-tokyo.ac.jp.	
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